

July 20, 2016

Monte Peake  
Civil & Environmental Consultants  
4848 Park 370 Blvd.  
Suite F  
Hazelwood, MO 63042  
TEL: (314) 656-4566  
FAX: (314) 656-4595



**RE:** Huster Road Substation 120-678

**WorkOrder:** 16070962

Dear Monte Peake:

TEKLAB, INC received 13 samples on 7/15/2016 2:40:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Michael L. Austin  
Project Manager  
(618)344-1004 ex 16  
[MAustin@teklabinc.com](mailto:MAustin@teklabinc.com)

**Client:** Civil & Environmental Consultants

**Work Order:** 16070962

**Client Project:** Huster Road Substation 120-678

**Report Date:** 20-Jul-16

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## Definitions

<http://www.teklabinc.com/>

**Client:** Civil & Environmental Consultants

**Work Order:** 16070962

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### Abbr Definition

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.

DNI Did not ignite

DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero.

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surrogate Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"

TNTC Too numerous to count (> 200 CFU )

### Qualifiers

# - Unknown hydrocarbon

B - Analyte detected in associated Method Blank

E - Value above quantitation range

H - Holding times exceeded

I - Associated internal standard was outside method criteria

J - Analyte detected below quantitation limits

M - Manual Integration used to determine area response

ND - Not Detected at the Reporting Limit

R - RPD outside accepted recovery limits

S - Spike Recovery outside recovery limits

T - TIC(Tentatively identified compound)

X - Value exceeds Maximum Contaminant Level



## Case Narrative

<http://www.teklabinc.com/>

**Client:** Civil & Environmental Consultants

**Work Order:** 16070962

**Client Project:** Huster Road Substation 120-678

**Report Date:** 20-Jul-16

**Cooler Receipt Temp:** 16.22 °C

### Locations and Accreditations

	<b>Collinsville</b>	<b>Springfield</b>	<b>Kansas City</b>	<b>Collinsville Air</b>
<b>Address</b>	5445 Horseshoe Lake Road Collinsville, IL 62234-7425	3920 Pintail Dr Springfield, IL 62711-9415	8421 Nieman Road Lenexa, KS 66214	5445 Horseshoe Lake Road Collinsville, IL 62234-7425
<b>Phone</b>	(618) 344-1004	(217) 698-1004	(913) 541-1998	(618) 344-1004
<b>Fax</b>	(618) 344-1005	(217) 698-1005	(913) 541-1998	(618) 344-1005
<b>Email</b>	jhriley@teklabinc.com	KKlostermann@teklabinc.com	dthompson@teklabinc.com	EHurley@teklabinc.com

<b>State</b>	<b>Dept</b>	<b>Cert #</b>	<b>NELAP</b>	<b>Exp Date</b>	<b>Lab</b>
Illinois	IEPA	100226	NELAP	1/31/2017	Collinsville
Kansas	KDHE	E-10374	NELAP	7/31/2016	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2017	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2017	Collinsville
Texas	TCEQ	T104704515-12-1	NELAP	7/31/2016	Collinsville
Arkansas	ADEQ	88-0966		3/14/2017	Collinsville
Illinois	IDPH	17584		5/31/2017	Collinsville
Kentucky	KDEP	98006		12/31/2016	Collinsville
Kentucky	UST	0073		1/31/2017	Collinsville
Missouri	MDNR	00930		5/31/2017	Collinsville
Missouri	MDNR	930		1/31/2017	Collinsville
Oklahoma	ODEQ	9978		8/31/2016	Collinsville

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-001

**Client Sample ID:** PZ-6

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 8:36

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	07/18/2016 13:41	120760
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	07/18/2016 13:41	120760
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	07/18/2016 13:41	120760
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
2-Butanone	NELAP	25.0		ND	µg/L	1	07/18/2016 13:41	120760
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	07/18/2016 13:41	120760
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
2-Hexanone	NELAP	25.0		ND	µg/L	1	07/18/2016 13:41	120760
2-Nitropropane	NELAP	50.0		ND	µg/L	1	07/18/2016 13:41	120760
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	07/18/2016 13:41	120760
Acetone	NELAP	25.0		ND	µg/L	1	07/18/2016 13:41	120760
Acetonitrile	NELAP	50.0		ND	µg/L	1	07/18/2016 13:41	120760
Acrolein	NELAP	100		ND	µg/L	1	07/18/2016 13:41	120760
Acrylonitrile	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
Allyl chloride	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
Benzene	NELAP	2.0		ND	µg/L	1	07/18/2016 13:41	120760
Bromobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
Bromochloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
Bromoform	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
Bromomethane	NELAP	10.0		ND	µg/L	1	07/18/2016 13:41	120760
Carbon disulfide	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
Chlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
Chloroethane	NELAP	10.0		ND	µg/L	1	07/18/2016 13:41	120760

## Laboratory Results

<http://www.teklabinc.com/>

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-001

**Client Sample ID:** PZ-6

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 8:36

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
Chloroform	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
Chloromethane	NELAP	10.0		ND	µg/L	1	07/18/2016 13:41	120760
Chloroprene	NELAP	20.0		ND	µg/L	1	07/18/2016 13:41	120760
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
Cyclohexanone		50.0		ND	µg/L	1	07/18/2016 13:41	120760
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
Dibromomethane	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	07/18/2016 13:41	120760
Ethyl acetate	NELAP	10.0		ND	µg/L	1	07/18/2016 13:41	120760
Ethyl ether	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
Ethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
Hexachloroethane	NELAP	10.0		ND	µg/L	1	07/18/2016 13:41	120760
Iodomethane	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	07/18/2016 13:41	120760
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	07/18/2016 13:41	120760
Methylacrylate	NELAP	10.0		ND	µg/L	1	07/18/2016 13:41	120760
Methylene chloride	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
Naphthalene	NELAP	10.0		ND	µg/L	1	07/18/2016 13:41	120760
n-Butyl acetate		25.0		ND	µg/L	1	07/18/2016 13:41	120760
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
n-Heptane		20.0		ND	µg/L	1	07/18/2016 13:41	120760
n-Hexane		20.0		ND	µg/L	1	07/18/2016 13:41	120760
Nitrobenzene	NELAP	50.0		ND	µg/L	1	07/18/2016 13:41	120760
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
o-Xylene	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
Pentachloroethane	NELAP	20.0		ND	µg/L	1	07/18/2016 13:41	120760
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
Propionitrile	NELAP	50.0		ND	µg/L	1	07/18/2016 13:41	120760
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
Styrene	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	07/18/2016 13:41	120760
Toluene	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	07/18/2016 13:41	120760
Trichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 13:41	120760
Vinyl acetate	NELAP	10.0		ND	µg/L	1	07/18/2016 13:41	120760

## Laboratory Results

<http://www.teklabinc.com/>

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-001

**Client Sample ID:** PZ-6

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 8:36

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	07/18/2016 13:41	120760
Surr: 1,2-Dichloroethane-d4		74.7-129		112.7	%REC	1	07/18/2016 13:41	120760
Surr: 4-Bromofluorobenzene		86-119		104.7	%REC	1	07/18/2016 13:41	120760
Surr: Dibromofluoromethane		81.7-123		100.8	%REC	1	07/18/2016 13:41	120760
Surr: Toluene-d8		84.3-114		104.1	%REC	1	07/18/2016 13:41	120760

*LCS/LCSD recovered outside upper QC limits for Acrolein. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).*

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-002

**Client Sample ID:** PZ-7

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 9:02

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	07/18/2016 14:08	120760
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	07/18/2016 14:08	120760
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	07/18/2016 14:08	120760
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
2-Butanone	NELAP	25.0		ND	µg/L	1	07/18/2016 14:08	120760
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	07/18/2016 14:08	120760
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
2-Hexanone	NELAP	25.0		ND	µg/L	1	07/18/2016 14:08	120760
2-Nitropropane	NELAP	50.0		ND	µg/L	1	07/18/2016 14:08	120760
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	07/18/2016 14:08	120760
Acetone	NELAP	25.0		ND	µg/L	1	07/18/2016 14:08	120760
Acetonitrile	NELAP	50.0		ND	µg/L	1	07/18/2016 14:08	120760
Acrolein	NELAP	100		ND	µg/L	1	07/18/2016 14:08	120760
Acrylonitrile	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
Allyl chloride	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
Benzene	NELAP	2.0		ND	µg/L	1	07/18/2016 14:08	120760
Bromobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
Bromochloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
Bromoform	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
Bromomethane	NELAP	10.0		ND	µg/L	1	07/18/2016 14:08	120760
Carbon disulfide	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
Chlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
Chloroethane	NELAP	10.0		ND	µg/L	1	07/18/2016 14:08	120760

## Laboratory Results

<http://www.teklabinc.com/>

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-002

**Client Sample ID:** PZ-7

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 9:02

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
Chloroform	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
Chloromethane	NELAP	10.0		ND	µg/L	1	07/18/2016 14:08	120760
Chloroprene	NELAP	20.0		ND	µg/L	1	07/18/2016 14:08	120760
cis-1,2-Dichloroethene	NELAP	5.0	J	3.8	µg/L	1	07/18/2016 14:08	120760
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
Cyclohexanone		50.0		ND	µg/L	1	07/18/2016 14:08	120760
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
Dibromomethane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	07/18/2016 14:08	120760
Ethyl acetate	NELAP	10.0		ND	µg/L	1	07/18/2016 14:08	120760
Ethyl ether	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
Ethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
Hexachloroethane	NELAP	10.0		ND	µg/L	1	07/18/2016 14:08	120760
Iodomethane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	07/18/2016 14:08	120760
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	07/18/2016 14:08	120760
Methylacrylate	NELAP	10.0		ND	µg/L	1	07/18/2016 14:08	120760
Methylene chloride	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
Naphthalene	NELAP	10.0		ND	µg/L	1	07/18/2016 14:08	120760
n-Butyl acetate		25.0		ND	µg/L	1	07/18/2016 14:08	120760
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
n-Heptane		20.0		ND	µg/L	1	07/18/2016 14:08	120760
n-Hexane		20.0		ND	µg/L	1	07/18/2016 14:08	120760
Nitrobenzene	NELAP	50.0		ND	µg/L	1	07/18/2016 14:08	120760
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
o-Xylene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
Pentachloroethane	NELAP	20.0		ND	µg/L	1	07/18/2016 14:08	120760
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
Propionitrile	NELAP	50.0		ND	µg/L	1	07/18/2016 14:08	120760
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
Styrene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	07/18/2016 14:08	120760
Toluene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	07/18/2016 14:08	120760
Trichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:08	120760
Vinyl acetate	NELAP	10.0		ND	µg/L	1	07/18/2016 14:08	120760

## Laboratory Results

<http://www.teklabinc.com/>

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-002

**Client Sample ID:** PZ-7

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 9:02

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	07/18/2016 14:08	120760
Surr: 1,2-Dichloroethane-d4		74.7-129		113.7	%REC	1	07/18/2016 14:08	120760
Surr: 4-Bromofluorobenzene		86-119		103.8	%REC	1	07/18/2016 14:08	120760
Surr: Dibromofluoromethane		81.7-123		101.0	%REC	1	07/18/2016 14:08	120760
Surr: Toluene-d8		84.3-114		104.0	%REC	1	07/18/2016 14:08	120760

*LCS/LCSD recovered outside upper QC limits for Acrolein. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).*

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-003

**Client Sample ID:** PZ-5

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 9:27

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	07/18/2016 14:35	120760
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	07/18/2016 14:35	120760
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	07/18/2016 14:35	120760
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
2-Butanone	NELAP	25.0		ND	µg/L	1	07/18/2016 14:35	120760
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	07/18/2016 14:35	120760
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
2-Hexanone	NELAP	25.0		ND	µg/L	1	07/18/2016 14:35	120760
2-Nitropropane	NELAP	50.0		ND	µg/L	1	07/18/2016 14:35	120760
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	07/18/2016 14:35	120760
Acetone	NELAP	25.0		ND	µg/L	1	07/18/2016 14:35	120760
Acetonitrile	NELAP	50.0		ND	µg/L	1	07/18/2016 14:35	120760
Acrolein	NELAP	100		ND	µg/L	1	07/18/2016 14:35	120760
Acrylonitrile	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
Allyl chloride	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
Benzene	NELAP	2.0		ND	µg/L	1	07/18/2016 14:35	120760
Bromobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
Bromochloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
Bromoform	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
Bromomethane	NELAP	10.0		ND	µg/L	1	07/18/2016 14:35	120760
Carbon disulfide	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
Chlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
Chloroethane	NELAP	10.0		ND	µg/L	1	07/18/2016 14:35	120760

## Laboratory Results

<http://www.teklabinc.com/>

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-003

**Client Sample ID:** PZ-5

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 9:27

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
Chloroform	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
Chloromethane	NELAP	10.0		ND	µg/L	1	07/18/2016 14:35	120760
Chloroprene	NELAP	20.0		ND	µg/L	1	07/18/2016 14:35	120760
cis-1,2-Dichloroethene	NELAP	5.0		42.3	µg/L	1	07/18/2016 14:35	120760
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
Cyclohexanone		50.0		ND	µg/L	1	07/18/2016 14:35	120760
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
Dibromomethane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	07/18/2016 14:35	120760
Ethyl acetate	NELAP	10.0		ND	µg/L	1	07/18/2016 14:35	120760
Ethyl ether	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
Ethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
Hexachloroethane	NELAP	10.0		ND	µg/L	1	07/18/2016 14:35	120760
Iodomethane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	07/18/2016 14:35	120760
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	07/18/2016 14:35	120760
Methylacrylate	NELAP	10.0		ND	µg/L	1	07/18/2016 14:35	120760
Methylene chloride	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
Naphthalene	NELAP	10.0		ND	µg/L	1	07/18/2016 14:35	120760
n-Butyl acetate		25.0		ND	µg/L	1	07/18/2016 14:35	120760
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
n-Heptane		20.0		ND	µg/L	1	07/18/2016 14:35	120760
n-Hexane		20.0		ND	µg/L	1	07/18/2016 14:35	120760
Nitrobenzene	NELAP	50.0		ND	µg/L	1	07/18/2016 14:35	120760
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
o-Xylene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
Pentachloroethane	NELAP	20.0		ND	µg/L	1	07/18/2016 14:35	120760
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
Propionitrile	NELAP	50.0		ND	µg/L	1	07/18/2016 14:35	120760
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
Styrene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	07/18/2016 14:35	120760
Toluene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	07/18/2016 14:35	120760
Trichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 14:35	120760
Vinyl acetate	NELAP	10.0		ND	µg/L	1	07/18/2016 14:35	120760

## Laboratory Results

<http://www.teklabinc.com/>

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-003

**Client Sample ID:** PZ-5

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 9:27

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
Vinyl chloride	NELAP	2.0	2.2	µg/L	1	07/18/2016 14:35	120760	
Surr: 1,2-Dichloroethane-d4		74.7-129	112.4	%REC	1	07/18/2016 14:35	120760	
Surr: 4-Bromofluorobenzene		86-119	105.7	%REC	1	07/18/2016 14:35	120760	
Surr: Dibromofluoromethane		81.7-123	99.5	%REC	1	07/18/2016 14:35	120760	
Surr: Toluene-d8		84.3-114	104.4	%REC	1	07/18/2016 14:35	120760	

*LCS/LCSD recovered outside upper QC limits for Acrolein. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).*

## Laboratory Results

<http://www.teklabinc.com/>

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-004

**Client Sample ID:** PZ-8

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 9:52

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	07/18/2016 15:02	120760
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	07/18/2016 15:02	120760
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	07/18/2016 15:02	120760
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
2-Butanone	NELAP	25.0		ND	µg/L	1	07/18/2016 15:02	120760
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	07/18/2016 15:02	120760
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
2-Hexanone	NELAP	25.0		ND	µg/L	1	07/18/2016 15:02	120760
2-Nitropropane	NELAP	50.0		ND	µg/L	1	07/18/2016 15:02	120760
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	07/18/2016 15:02	120760
Acetone	NELAP	25.0		ND	µg/L	1	07/18/2016 15:02	120760
Acetonitrile	NELAP	50.0		ND	µg/L	1	07/18/2016 15:02	120760
Acrolein	NELAP	100		ND	µg/L	1	07/18/2016 15:02	120760
Acrylonitrile	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
Allyl chloride	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
Benzene	NELAP	2.0		ND	µg/L	1	07/18/2016 15:02	120760
Bromobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
Bromochloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
Bromoform	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
Bromomethane	NELAP	10.0		ND	µg/L	1	07/18/2016 15:02	120760
Carbon disulfide	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
Chlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
Chloroethane	NELAP	10.0		ND	µg/L	1	07/18/2016 15:02	120760

## Laboratory Results

<http://www.teklabinc.com/>

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-004

**Client Sample ID:** PZ-8

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 9:52

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
Chloroform	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
Chloromethane	NELAP	10.0		ND	µg/L	1	07/18/2016 15:02	120760
Chloroprene	NELAP	20.0		ND	µg/L	1	07/18/2016 15:02	120760
cis-1,2-Dichloroethene	NELAP	5.0	J	1.4	µg/L	1	07/18/2016 15:02	120760
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
Cyclohexanone		50.0		ND	µg/L	1	07/18/2016 15:02	120760
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
Dibromomethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	07/18/2016 15:02	120760
Ethyl acetate	NELAP	10.0		ND	µg/L	1	07/18/2016 15:02	120760
Ethyl ether	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
Ethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
Hexachloroethane	NELAP	10.0		ND	µg/L	1	07/18/2016 15:02	120760
Iodomethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	07/18/2016 15:02	120760
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	07/18/2016 15:02	120760
Methylacrylate	NELAP	10.0		ND	µg/L	1	07/18/2016 15:02	120760
Methylene chloride	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
Naphthalene	NELAP	10.0		ND	µg/L	1	07/18/2016 15:02	120760
n-Butyl acetate		25.0		ND	µg/L	1	07/18/2016 15:02	120760
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
n-Heptane		20.0		ND	µg/L	1	07/18/2016 15:02	120760
n-Hexane		20.0		ND	µg/L	1	07/18/2016 15:02	120760
Nitrobenzene	NELAP	50.0		ND	µg/L	1	07/18/2016 15:02	120760
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
o-Xylene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
Pentachloroethane	NELAP	20.0		ND	µg/L	1	07/18/2016 15:02	120760
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
Propionitrile	NELAP	50.0		ND	µg/L	1	07/18/2016 15:02	120760
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
Styrene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	07/18/2016 15:02	120760
Toluene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	07/18/2016 15:02	120760
Trichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:02	120760
Vinyl acetate	NELAP	10.0		ND	µg/L	1	07/18/2016 15:02	120760

## Laboratory Results

<http://www.teklabinc.com/>

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-004

**Client Sample ID:** PZ-8

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 9:52

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	07/18/2016 15:02	120760
Surr: 1,2-Dichloroethane-d4		74.7-129		111.8	%REC	1	07/18/2016 15:02	120760
Surr: 4-Bromofluorobenzene		86-119		104.9	%REC	1	07/18/2016 15:02	120760
Surr: Dibromofluoromethane		81.7-123		99.7	%REC	1	07/18/2016 15:02	120760
Surr: Toluene-d8		84.3-114		104.4	%REC	1	07/18/2016 15:02	120760

*LCS/LCSD recovered outside upper QC limits for Acrolein. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).*

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-005

**Client Sample ID:** PZ-10

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 10:11

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	07/18/2016 15:29	120760
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	07/18/2016 15:29	120760
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	07/18/2016 15:29	120760
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
2-Butanone	NELAP	25.0		ND	µg/L	1	07/18/2016 15:29	120760
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	07/18/2016 15:29	120760
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
2-Hexanone	NELAP	25.0		ND	µg/L	1	07/18/2016 15:29	120760
2-Nitropropane	NELAP	50.0		ND	µg/L	1	07/18/2016 15:29	120760
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	07/18/2016 15:29	120760
Acetone	NELAP	25.0		ND	µg/L	1	07/18/2016 15:29	120760
Acetonitrile	NELAP	50.0		ND	µg/L	1	07/18/2016 15:29	120760
Acrolein	NELAP	100		ND	µg/L	1	07/18/2016 15:29	120760
Acrylonitrile	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
Allyl chloride	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
Benzene	NELAP	2.0		ND	µg/L	1	07/18/2016 15:29	120760
Bromobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
Bromochloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
Bromoform	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
Bromomethane	NELAP	10.0		ND	µg/L	1	07/18/2016 15:29	120760
Carbon disulfide	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
Chlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
Chloroethane	NELAP	10.0		ND	µg/L	1	07/18/2016 15:29	120760

## Laboratory Results

<http://www.teklabinc.com/>

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-005

**Client Sample ID:** PZ-10

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 10:11

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
Chloroform	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
Chloromethane	NELAP	10.0		ND	µg/L	1	07/18/2016 15:29	120760
Chloroprene	NELAP	20.0		ND	µg/L	1	07/18/2016 15:29	120760
cis-1,2-Dichloroethene	NELAP	5.0	J	3.4	µg/L	1	07/18/2016 15:29	120760
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
Cyclohexanone		50.0		ND	µg/L	1	07/18/2016 15:29	120760
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
Dibromomethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	07/18/2016 15:29	120760
Ethyl acetate	NELAP	10.0		ND	µg/L	1	07/18/2016 15:29	120760
Ethyl ether	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
Ethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
Hexachloroethane	NELAP	10.0		ND	µg/L	1	07/18/2016 15:29	120760
Iodomethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	07/18/2016 15:29	120760
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	07/18/2016 15:29	120760
Methylacrylate	NELAP	10.0		ND	µg/L	1	07/18/2016 15:29	120760
Methylene chloride	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
Naphthalene	NELAP	10.0		ND	µg/L	1	07/18/2016 15:29	120760
n-Butyl acetate		25.0		ND	µg/L	1	07/18/2016 15:29	120760
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
n-Heptane		20.0		ND	µg/L	1	07/18/2016 15:29	120760
n-Hexane		20.0		ND	µg/L	1	07/18/2016 15:29	120760
Nitrobenzene	NELAP	50.0		ND	µg/L	1	07/18/2016 15:29	120760
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
o-Xylene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
Pentachloroethane	NELAP	20.0		ND	µg/L	1	07/18/2016 15:29	120760
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
Propionitrile	NELAP	50.0		ND	µg/L	1	07/18/2016 15:29	120760
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
Styrene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	07/18/2016 15:29	120760
Toluene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	07/18/2016 15:29	120760
Trichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:29	120760
Vinyl acetate	NELAP	10.0		ND	µg/L	1	07/18/2016 15:29	120760

## Laboratory Results

<http://www.teklabinc.com/>

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-005

**Client Sample ID:** PZ-10

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 10:11

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	07/18/2016 15:29	120760
Surr: 1,2-Dichloroethane-d4		74.7-129		112.2	%REC	1	07/18/2016 15:29	120760
Surr: 4-Bromofluorobenzene		86-119		104.2	%REC	1	07/18/2016 15:29	120760
Surr: Dibromofluoromethane		81.7-123		99.3	%REC	1	07/18/2016 15:29	120760
Surr: Toluene-d8		84.3-114		105.1	%REC	1	07/18/2016 15:29	120760

*LCS/LCSD recovered outside upper QC limits for Acrolein. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).*

## Laboratory Results

<http://www.teklabinc.com/>

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-006

**Client Sample ID:** PZ-4

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 10:29

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	07/18/2016 15:56	120760
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	07/18/2016 15:56	120760
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	07/18/2016 15:56	120760
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
2-Butanone	NELAP	25.0		ND	µg/L	1	07/18/2016 15:56	120760
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	07/18/2016 15:56	120760
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
2-Hexanone	NELAP	25.0		ND	µg/L	1	07/18/2016 15:56	120760
2-Nitropropane	NELAP	50.0		ND	µg/L	1	07/18/2016 15:56	120760
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	07/18/2016 15:56	120760
Acetone	NELAP	25.0		ND	µg/L	1	07/18/2016 15:56	120760
Acetonitrile	NELAP	50.0		ND	µg/L	1	07/18/2016 15:56	120760
Acrolein	NELAP	100		ND	µg/L	1	07/18/2016 15:56	120760
Acrylonitrile	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
Allyl chloride	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
Benzene	NELAP	2.0		ND	µg/L	1	07/18/2016 15:56	120760
Bromobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
Bromochloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
Bromoform	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
Bromomethane	NELAP	10.0		ND	µg/L	1	07/18/2016 15:56	120760
Carbon disulfide	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
Chlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
Chloroethane	NELAP	10.0		ND	µg/L	1	07/18/2016 15:56	120760

## Laboratory Results

<http://www.teklabinc.com/>

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-006

**Client Sample ID:** PZ-4

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 10:29

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
Chloroform	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
Chloromethane	NELAP	10.0		ND	µg/L	1	07/18/2016 15:56	120760
Chloroprene	NELAP	20.0		ND	µg/L	1	07/18/2016 15:56	120760
cis-1,2-Dichloroethene	NELAP	5.0	J	3.1	µg/L	1	07/18/2016 15:56	120760
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
Cyclohexanone		50.0		ND	µg/L	1	07/18/2016 15:56	120760
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
Dibromomethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	07/18/2016 15:56	120760
Ethyl acetate	NELAP	10.0		ND	µg/L	1	07/18/2016 15:56	120760
Ethyl ether	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
Ethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
Hexachloroethane	NELAP	10.0		ND	µg/L	1	07/18/2016 15:56	120760
Iodomethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	07/18/2016 15:56	120760
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	07/18/2016 15:56	120760
Methylacrylate	NELAP	10.0		ND	µg/L	1	07/18/2016 15:56	120760
Methylene chloride	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
Naphthalene	NELAP	10.0		ND	µg/L	1	07/18/2016 15:56	120760
n-Butyl acetate		25.0		ND	µg/L	1	07/18/2016 15:56	120760
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
n-Heptane		20.0		ND	µg/L	1	07/18/2016 15:56	120760
n-Hexane		20.0		ND	µg/L	1	07/18/2016 15:56	120760
Nitrobenzene	NELAP	50.0		ND	µg/L	1	07/18/2016 15:56	120760
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
o-Xylene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
Pentachloroethane	NELAP	20.0		ND	µg/L	1	07/18/2016 15:56	120760
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
Propionitrile	NELAP	50.0		ND	µg/L	1	07/18/2016 15:56	120760
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
Styrene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	07/18/2016 15:56	120760
Toluene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	07/18/2016 15:56	120760
Trichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 15:56	120760
Vinyl acetate	NELAP	10.0		ND	µg/L	1	07/18/2016 15:56	120760

## Laboratory Results

<http://www.teklabinc.com/>

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-006

**Client Sample ID:** PZ-4

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 10:29

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	07/18/2016 15:56	120760
Surr: 1,2-Dichloroethane-d4		74.7-129		112.2	%REC	1	07/18/2016 15:56	120760
Surr: 4-Bromofluorobenzene		86-119		106.0	%REC	1	07/18/2016 15:56	120760
Surr: Dibromofluoromethane		81.7-123		99.8	%REC	1	07/18/2016 15:56	120760
Surr: Toluene-d8		84.3-114		105.3	%REC	1	07/18/2016 15:56	120760

*LCS/LCSD recovered outside upper QC limits for Acrolein. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).*

## Laboratory Results

<http://www.teklabinc.com/>

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-007

**Client Sample ID:** PZ-9

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 10:46

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	07/18/2016 16:24	120760
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	07/18/2016 16:24	120760
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	07/18/2016 16:24	120760
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
2-Butanone	NELAP	25.0		ND	µg/L	1	07/18/2016 16:24	120760
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	07/18/2016 16:24	120760
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
2-Hexanone	NELAP	25.0		ND	µg/L	1	07/18/2016 16:24	120760
2-Nitropropane	NELAP	50.0		ND	µg/L	1	07/18/2016 16:24	120760
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	07/18/2016 16:24	120760
Acetone	NELAP	25.0		ND	µg/L	1	07/18/2016 16:24	120760
Acetonitrile	NELAP	50.0		ND	µg/L	1	07/18/2016 16:24	120760
Acrolein	NELAP	100		ND	µg/L	1	07/18/2016 16:24	120760
Acrylonitrile	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
Allyl chloride	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
Benzene	NELAP	2.0		ND	µg/L	1	07/18/2016 16:24	120760
Bromobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
Bromochloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
Bromoform	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
Bromomethane	NELAP	10.0		ND	µg/L	1	07/18/2016 16:24	120760
Carbon disulfide	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
Chlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
Chloroethane	NELAP	10.0		ND	µg/L	1	07/18/2016 16:24	120760

## Laboratory Results

<http://www.teklabinc.com/>

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-007

**Client Sample ID:** PZ-9

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 10:46

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
Chloroform	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
Chloromethane	NELAP	10.0		ND	µg/L	1	07/18/2016 16:24	120760
Chloroprene	NELAP	20.0		ND	µg/L	1	07/18/2016 16:24	120760
cis-1,2-Dichloroethene	NELAP	5.0		27.2	µg/L	1	07/18/2016 16:24	120760
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
Cyclohexanone		50.0		ND	µg/L	1	07/18/2016 16:24	120760
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
Dibromomethane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	07/18/2016 16:24	120760
Ethyl acetate	NELAP	10.0		ND	µg/L	1	07/18/2016 16:24	120760
Ethyl ether	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
Ethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
Hexachloroethane	NELAP	10.0		ND	µg/L	1	07/18/2016 16:24	120760
Iodomethane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	07/18/2016 16:24	120760
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	07/18/2016 16:24	120760
Methylacrylate	NELAP	10.0		ND	µg/L	1	07/18/2016 16:24	120760
Methylene chloride	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
Naphthalene	NELAP	10.0		ND	µg/L	1	07/18/2016 16:24	120760
n-Butyl acetate		25.0		ND	µg/L	1	07/18/2016 16:24	120760
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
n-Heptane		20.0		ND	µg/L	1	07/18/2016 16:24	120760
n-Hexane		20.0		ND	µg/L	1	07/18/2016 16:24	120760
Nitrobenzene	NELAP	50.0		ND	µg/L	1	07/18/2016 16:24	120760
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
o-Xylene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
Pentachloroethane	NELAP	20.0		ND	µg/L	1	07/18/2016 16:24	120760
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
Propionitrile	NELAP	50.0		ND	µg/L	1	07/18/2016 16:24	120760
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
Styrene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	07/18/2016 16:24	120760
Toluene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	07/18/2016 16:24	120760
Trichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:24	120760
Vinyl acetate	NELAP	10.0		ND	µg/L	1	07/18/2016 16:24	120760

## Laboratory Results

<http://www.teklabinc.com/>

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-007

**Client Sample ID:** PZ-9

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 10:46

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
Vinyl chloride	NELAP	2.0	J	1.1	µg/L	1	07/18/2016 16:24	120760
Surr: 1,2-Dichloroethane-d4		74.7-129		111.6	%REC	1	07/18/2016 16:24	120760
Surr: 4-Bromofluorobenzene		86-119		104.2	%REC	1	07/18/2016 16:24	120760
Surr: Dibromofluoromethane		81.7-123		99.5	%REC	1	07/18/2016 16:24	120760
Surr: Toluene-d8		84.3-114		105.4	%REC	1	07/18/2016 16:24	120760

*LCS/LCSD recovered outside upper QC limits for Acrolein. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).*

## Laboratory Results

<http://www.teklabinc.com/>

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-008

**Client Sample ID:** PZ-12

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 11:52

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	07/18/2016 16:51	120760
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	07/18/2016 16:51	120760
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	07/18/2016 16:51	120760
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
2-Butanone	NELAP	25.0		ND	µg/L	1	07/18/2016 16:51	120760
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	07/18/2016 16:51	120760
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
2-Hexanone	NELAP	25.0		ND	µg/L	1	07/18/2016 16:51	120760
2-Nitropropane	NELAP	50.0		ND	µg/L	1	07/18/2016 16:51	120760
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	07/18/2016 16:51	120760
Acetone	NELAP	25.0		ND	µg/L	1	07/18/2016 16:51	120760
Acetonitrile	NELAP	50.0		ND	µg/L	1	07/18/2016 16:51	120760
Acrolein	NELAP	100		ND	µg/L	1	07/18/2016 16:51	120760
Acrylonitrile	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
Allyl chloride	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
Benzene	NELAP	2.0		ND	µg/L	1	07/18/2016 16:51	120760
Bromobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
Bromochloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
Bromoform	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
Bromomethane	NELAP	10.0		ND	µg/L	1	07/18/2016 16:51	120760
Carbon disulfide	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
Chlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
Chloroethane	NELAP	10.0		ND	µg/L	1	07/18/2016 16:51	120760

## Laboratory Results

<http://www.teklabinc.com/>

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-008

**Client Sample ID:** PZ-12

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 11:52

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
Chloroform	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
Chloromethane	NELAP	10.0		ND	µg/L	1	07/18/2016 16:51	120760
Chloroprene	NELAP	20.0		ND	µg/L	1	07/18/2016 16:51	120760
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
Cyclohexanone		50.0		ND	µg/L	1	07/18/2016 16:51	120760
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
Dibromomethane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	07/18/2016 16:51	120760
Ethyl acetate	NELAP	10.0		ND	µg/L	1	07/18/2016 16:51	120760
Ethyl ether	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
Ethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
Hexachloroethane	NELAP	10.0		ND	µg/L	1	07/18/2016 16:51	120760
Iodomethane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	07/18/2016 16:51	120760
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	07/18/2016 16:51	120760
Methylacrylate	NELAP	10.0		ND	µg/L	1	07/18/2016 16:51	120760
Methylene chloride	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
Naphthalene	NELAP	10.0		ND	µg/L	1	07/18/2016 16:51	120760
n-Butyl acetate		25.0		ND	µg/L	1	07/18/2016 16:51	120760
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
n-Heptane		20.0		ND	µg/L	1	07/18/2016 16:51	120760
n-Hexane		20.0		ND	µg/L	1	07/18/2016 16:51	120760
Nitrobenzene	NELAP	50.0		ND	µg/L	1	07/18/2016 16:51	120760
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
o-Xylene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
Pentachloroethane	NELAP	20.0		ND	µg/L	1	07/18/2016 16:51	120760
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
Propionitrile	NELAP	50.0		ND	µg/L	1	07/18/2016 16:51	120760
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
Styrene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	07/18/2016 16:51	120760
Toluene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	07/18/2016 16:51	120760
Trichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 16:51	120760
Vinyl acetate	NELAP	10.0		ND	µg/L	1	07/18/2016 16:51	120760

## Laboratory Results

<http://www.teklabinc.com/>

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-008

**Client Sample ID:** PZ-12

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 11:52

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
Vinyl chloride	NELAP	2.0	ND	µg/L	1	07/18/2016 16:51	120760	
Surr: 1,2-Dichloroethane-d4		74.7-129	112.2	%REC	1	07/18/2016 16:51	120760	
Surr: 4-Bromofluorobenzene		86-119	105.2	%REC	1	07/18/2016 16:51	120760	
Surr: Dibromofluoromethane		81.7-123	99.6	%REC	1	07/18/2016 16:51	120760	
Surr: Toluene-d8		84.3-114	106.2	%REC	1	07/18/2016 16:51	120760	

*LCS/LCSD recovered outside upper QC limits for Acrolein. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).*

## Laboratory Results

<http://www.teklabinc.com/>

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-009

**Client Sample ID:** PZ-11

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 12:17

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	07/18/2016 17:17	120760
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	07/18/2016 17:17	120760
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	07/18/2016 17:17	120760
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
2-Butanone	NELAP	25.0		ND	µg/L	1	07/18/2016 17:17	120760
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	07/18/2016 17:17	120760
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
2-Hexanone	NELAP	25.0		ND	µg/L	1	07/18/2016 17:17	120760
2-Nitropropane	NELAP	50.0		ND	µg/L	1	07/18/2016 17:17	120760
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	07/18/2016 17:17	120760
Acetone	NELAP	25.0		ND	µg/L	1	07/18/2016 17:17	120760
Acetonitrile	NELAP	50.0		ND	µg/L	1	07/18/2016 17:17	120760
Acrolein	NELAP	100		ND	µg/L	1	07/18/2016 17:17	120760
Acrylonitrile	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
Allyl chloride	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
Benzene	NELAP	2.0		ND	µg/L	1	07/18/2016 17:17	120760
Bromobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
Bromochloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
Bromoform	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
Bromomethane	NELAP	10.0		ND	µg/L	1	07/18/2016 17:17	120760
Carbon disulfide	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
Chlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
Chloroethane	NELAP	10.0		ND	µg/L	1	07/18/2016 17:17	120760

## Laboratory Results

<http://www.teklabinc.com/>

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-009

**Client Sample ID:** PZ-11

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 12:17

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
Chloroform	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
Chloromethane	NELAP	10.0		ND	µg/L	1	07/18/2016 17:17	120760
Chloroprene	NELAP	20.0		ND	µg/L	1	07/18/2016 17:17	120760
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
Cyclohexanone		50.0		ND	µg/L	1	07/18/2016 17:17	120760
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
Dibromomethane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	07/18/2016 17:17	120760
Ethyl acetate	NELAP	10.0		ND	µg/L	1	07/18/2016 17:17	120760
Ethyl ether	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
Ethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
Hexachloroethane	NELAP	10.0		ND	µg/L	1	07/18/2016 17:17	120760
Iodomethane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	07/18/2016 17:17	120760
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	07/18/2016 17:17	120760
Methylacrylate	NELAP	10.0		ND	µg/L	1	07/18/2016 17:17	120760
Methylene chloride	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
Naphthalene	NELAP	10.0		ND	µg/L	1	07/18/2016 17:17	120760
n-Butyl acetate		25.0		ND	µg/L	1	07/18/2016 17:17	120760
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
n-Heptane		20.0		ND	µg/L	1	07/18/2016 17:17	120760
n-Hexane		20.0		ND	µg/L	1	07/18/2016 17:17	120760
Nitrobenzene	NELAP	50.0		ND	µg/L	1	07/18/2016 17:17	120760
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
o-Xylene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
Pentachloroethane	NELAP	20.0		ND	µg/L	1	07/18/2016 17:17	120760
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
Propionitrile	NELAP	50.0		ND	µg/L	1	07/18/2016 17:17	120760
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
Styrene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	07/18/2016 17:17	120760
Toluene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	07/18/2016 17:17	120760
Trichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:17	120760
Vinyl acetate	NELAP	10.0		ND	µg/L	1	07/18/2016 17:17	120760

## Laboratory Results

<http://www.teklabinc.com/>

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-009

**Client Sample ID:** PZ-11

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 12:17

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	07/18/2016 17:17	120760
Surr: 1,2-Dichloroethane-d4		74.7-129		111.3	%REC	1	07/18/2016 17:17	120760
Surr: 4-Bromofluorobenzene		86-119		105.6	%REC	1	07/18/2016 17:17	120760
Surr: Dibromofluoromethane		81.7-123		99.7	%REC	1	07/18/2016 17:17	120760
Surr: Toluene-d8		84.3-114		106.1	%REC	1	07/18/2016 17:17	120760

*LCS/LCSD recovered outside upper QC limits for Acrolein. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).*

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-010

**Client Sample ID:** PZ-3

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 12:32

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	07/18/2016 17:44	120760
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	07/18/2016 17:44	120760
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	07/18/2016 17:44	120760
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
2-Butanone	NELAP	25.0		ND	µg/L	1	07/18/2016 17:44	120760
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	07/18/2016 17:44	120760
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
2-Hexanone	NELAP	25.0		ND	µg/L	1	07/18/2016 17:44	120760
2-Nitropropane	NELAP	50.0		ND	µg/L	1	07/18/2016 17:44	120760
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	07/18/2016 17:44	120760
Acetone	NELAP	25.0		ND	µg/L	1	07/18/2016 17:44	120760
Acetonitrile	NELAP	50.0		ND	µg/L	1	07/18/2016 17:44	120760
Acrolein	NELAP	100		ND	µg/L	1	07/18/2016 17:44	120760
Acrylonitrile	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
Allyl chloride	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
Benzene	NELAP	2.0		ND	µg/L	1	07/18/2016 17:44	120760
Bromobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
Bromochloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
Bromoform	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
Bromomethane	NELAP	10.0		ND	µg/L	1	07/18/2016 17:44	120760
Carbon disulfide	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
Chlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
Chloroethane	NELAP	10.0		ND	µg/L	1	07/18/2016 17:44	120760

## Laboratory Results

<http://www.teklabinc.com/>

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-010

**Client Sample ID:** PZ-3

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 12:32

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
Chloroform	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
Chloromethane	NELAP	10.0		ND	µg/L	1	07/18/2016 17:44	120760
Chloroprene	NELAP	20.0		ND	µg/L	1	07/18/2016 17:44	120760
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
Cyclohexanone		50.0		ND	µg/L	1	07/18/2016 17:44	120760
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
Dibromomethane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	07/18/2016 17:44	120760
Ethyl acetate	NELAP	10.0		ND	µg/L	1	07/18/2016 17:44	120760
Ethyl ether	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
Ethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
Hexachloroethane	NELAP	10.0		ND	µg/L	1	07/18/2016 17:44	120760
Iodomethane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	07/18/2016 17:44	120760
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	07/18/2016 17:44	120760
Methylacrylate	NELAP	10.0		ND	µg/L	1	07/18/2016 17:44	120760
Methylene chloride	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
Naphthalene	NELAP	10.0		ND	µg/L	1	07/18/2016 17:44	120760
n-Butyl acetate		25.0		ND	µg/L	1	07/18/2016 17:44	120760
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
n-Heptane		20.0		ND	µg/L	1	07/18/2016 17:44	120760
n-Hexane		20.0		ND	µg/L	1	07/18/2016 17:44	120760
Nitrobenzene	NELAP	50.0		ND	µg/L	1	07/18/2016 17:44	120760
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
o-Xylene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
Pentachloroethane	NELAP	20.0		ND	µg/L	1	07/18/2016 17:44	120760
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
Propionitrile	NELAP	50.0		ND	µg/L	1	07/18/2016 17:44	120760
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
Styrene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	07/18/2016 17:44	120760
Toluene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	07/18/2016 17:44	120760
Trichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 17:44	120760
Vinyl acetate	NELAP	10.0		ND	µg/L	1	07/18/2016 17:44	120760

## Laboratory Results

<http://www.teklabinc.com/>

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-010

**Client Sample ID:** PZ-3

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 12:32

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	07/18/2016 17:44	120760
Surr: 1,2-Dichloroethane-d4		74.7-129		112.4	%REC	1	07/18/2016 17:44	120760
Surr: 4-Bromofluorobenzene		86-119		105.0	%REC	1	07/18/2016 17:44	120760
Surr: Dibromofluoromethane		81.7-123		100.2	%REC	1	07/18/2016 17:44	120760
Surr: Toluene-d8		84.3-114		105.9	%REC	1	07/18/2016 17:44	120760

*LCS/LCSD recovered outside upper QC limits for Acrolein. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).*

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-011

**Client Sample ID:** PZ-2 (Central)

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 12:49

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	07/18/2016 18:11	120760
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	07/18/2016 18:11	120760
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	07/18/2016 18:11	120760
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
2-Butanone	NELAP	25.0		ND	µg/L	1	07/18/2016 18:11	120760
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	07/18/2016 18:11	120760
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
2-Hexanone	NELAP	25.0		ND	µg/L	1	07/18/2016 18:11	120760
2-Nitropropane	NELAP	50.0		ND	µg/L	1	07/18/2016 18:11	120760
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	07/18/2016 18:11	120760
Acetone	NELAP	25.0		ND	µg/L	1	07/18/2016 18:11	120760
Acetonitrile	NELAP	50.0		ND	µg/L	1	07/18/2016 18:11	120760
Acrolein	NELAP	100		ND	µg/L	1	07/18/2016 18:11	120760
Acrylonitrile	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
Allyl chloride	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
Benzene	NELAP	2.0		ND	µg/L	1	07/18/2016 18:11	120760
Bromobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
Bromochloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
Bromoform	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
Bromomethane	NELAP	10.0		ND	µg/L	1	07/18/2016 18:11	120760
Carbon disulfide	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
Chlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
Chloroethane	NELAP	10.0		ND	µg/L	1	07/18/2016 18:11	120760

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-011

**Client Sample ID:** PZ-2 (Central)

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 12:49

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
Chloroform	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
Chloromethane	NELAP	10.0		ND	µg/L	1	07/18/2016 18:11	120760
Chloroprene	NELAP	20.0		ND	µg/L	1	07/18/2016 18:11	120760
cis-1,2-Dichloroethene	NELAP	5.0		16.8	µg/L	1	07/18/2016 18:11	120760
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
Cyclohexanone		50.0		ND	µg/L	1	07/18/2016 18:11	120760
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
Dibromomethane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	07/18/2016 18:11	120760
Ethyl acetate	NELAP	10.0		ND	µg/L	1	07/18/2016 18:11	120760
Ethyl ether	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
Ethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
Hexachloroethane	NELAP	10.0		ND	µg/L	1	07/18/2016 18:11	120760
Iodomethane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	07/18/2016 18:11	120760
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	07/18/2016 18:11	120760
Methylacrylate	NELAP	10.0		ND	µg/L	1	07/18/2016 18:11	120760
Methylene chloride	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
Naphthalene	NELAP	10.0		ND	µg/L	1	07/18/2016 18:11	120760
n-Butyl acetate		25.0		ND	µg/L	1	07/18/2016 18:11	120760
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
n-Heptane		20.0		ND	µg/L	1	07/18/2016 18:11	120760
n-Hexane		20.0		ND	µg/L	1	07/18/2016 18:11	120760
Nitrobenzene	NELAP	50.0		ND	µg/L	1	07/18/2016 18:11	120760
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
o-Xylene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
Pentachloroethane	NELAP	20.0		ND	µg/L	1	07/18/2016 18:11	120760
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
Propionitrile	NELAP	50.0		ND	µg/L	1	07/18/2016 18:11	120760
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
Styrene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	07/18/2016 18:11	120760
Toluene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	07/18/2016 18:11	120760
Trichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:11	120760
Vinyl acetate	NELAP	10.0		ND	µg/L	1	07/18/2016 18:11	120760

**Client:** Civil & Environmental Consultants

**Work Order:** 16070962

**Client Project:** Huster Road Substation 120-678

**Report Date:** 20-Jul-16

**Lab ID:** 16070962-011

**Client Sample ID:** PZ-2 (Central)

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 12:49

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
Vinyl chloride	NELAP	2.0	J	0.6	µg/L	1	07/18/2016 18:11	120760
Surr: 1,2-Dichloroethane-d4		74.7-129		111.4	%REC	1	07/18/2016 18:11	120760
Surr: 4-Bromofluorobenzene		86-119		104.9	%REC	1	07/18/2016 18:11	120760
Surr: Dibromofluoromethane		81.7-123		99.6	%REC	1	07/18/2016 18:11	120760
Surr: Toluene-d8		84.3-114		106.3	%REC	1	07/18/2016 18:11	120760

*LCS/LCSD recovered outside upper QC limits for Acrolein. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).*

## Laboratory Results

<http://www.teklabinc.com/>

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-012

**Client Sample ID:** PZ-1 (West)

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 13:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	07/18/2016 18:38	120760
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	07/18/2016 18:38	120760
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	07/18/2016 18:38	120760
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
2-Butanone	NELAP	25.0		ND	µg/L	1	07/18/2016 18:38	120760
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	07/18/2016 18:38	120760
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
2-Hexanone	NELAP	25.0		ND	µg/L	1	07/18/2016 18:38	120760
2-Nitropropane	NELAP	50.0		ND	µg/L	1	07/18/2016 18:38	120760
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	07/18/2016 18:38	120760
Acetone	NELAP	25.0		ND	µg/L	1	07/18/2016 18:38	120760
Acetonitrile	NELAP	50.0		ND	µg/L	1	07/18/2016 18:38	120760
Acrolein	NELAP	100		ND	µg/L	1	07/18/2016 18:38	120760
Acrylonitrile	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
Allyl chloride	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
Benzene	NELAP	2.0		ND	µg/L	1	07/18/2016 18:38	120760
Bromobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
Bromochloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
Bromoform	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
Bromomethane	NELAP	10.0		ND	µg/L	1	07/18/2016 18:38	120760
Carbon disulfide	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
Chlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
Chloroethane	NELAP	10.0		ND	µg/L	1	07/18/2016 18:38	120760

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-012

**Client Sample ID:** PZ-1 (West)

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 13:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
Chloroform	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
Chloromethane	NELAP	10.0		ND	µg/L	1	07/18/2016 18:38	120760
Chloroprene	NELAP	20.0		ND	µg/L	1	07/18/2016 18:38	120760
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
Cyclohexanone		50.0		ND	µg/L	1	07/18/2016 18:38	120760
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
Dibromomethane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	07/18/2016 18:38	120760
Ethyl acetate	NELAP	10.0		ND	µg/L	1	07/18/2016 18:38	120760
Ethyl ether	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
Ethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
Hexachloroethane	NELAP	10.0		ND	µg/L	1	07/18/2016 18:38	120760
Iodomethane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	07/18/2016 18:38	120760
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	07/18/2016 18:38	120760
Methylacrylate	NELAP	10.0		ND	µg/L	1	07/18/2016 18:38	120760
Methylene chloride	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
Naphthalene	NELAP	10.0		ND	µg/L	1	07/18/2016 18:38	120760
n-Butyl acetate		25.0		ND	µg/L	1	07/18/2016 18:38	120760
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
n-Heptane		20.0		ND	µg/L	1	07/18/2016 18:38	120760
n-Hexane		20.0		ND	µg/L	1	07/18/2016 18:38	120760
Nitrobenzene	NELAP	50.0		ND	µg/L	1	07/18/2016 18:38	120760
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
o-Xylene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
Pentachloroethane	NELAP	20.0		ND	µg/L	1	07/18/2016 18:38	120760
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
Propionitrile	NELAP	50.0		ND	µg/L	1	07/18/2016 18:38	120760
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
Styrene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	07/18/2016 18:38	120760
Toluene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	07/18/2016 18:38	120760
Trichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 18:38	120760
Vinyl acetate	NELAP	10.0		ND	µg/L	1	07/18/2016 18:38	120760

## Laboratory Results

<http://www.teklabinc.com/>

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-012

**Client Sample ID:** PZ-1 (West)

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 13:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
Vinyl chloride	NELAP	2.0	ND	μg/L	1	07/18/2016 18:38	120760	
Surr: 1,2-Dichloroethane-d4		74.7-129	111.7	%REC	1	07/18/2016 18:38	120760	
Surr: 4-Bromofluorobenzene		86-119	104.9	%REC	1	07/18/2016 18:38	120760	
Surr: Dibromofluoromethane		81.7-123	99.5	%REC	1	07/18/2016 18:38	120760	
Surr: Toluene-d8		84.3-114	105.9	%REC	1	07/18/2016 18:38	120760	

*LCS/LCSD recovered outside upper QC limits for Acrolein. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).*

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-013

**Client Sample ID:** DUP

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	07/18/2016 19:05	120760
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	07/18/2016 19:05	120760
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	07/18/2016 19:05	120760
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
2-Butanone	NELAP	25.0		ND	µg/L	1	07/18/2016 19:05	120760
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	07/18/2016 19:05	120760
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
2-Hexanone	NELAP	25.0		ND	µg/L	1	07/18/2016 19:05	120760
2-Nitropropane	NELAP	50.0		ND	µg/L	1	07/18/2016 19:05	120760
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	07/18/2016 19:05	120760
Acetone	NELAP	25.0		ND	µg/L	1	07/18/2016 19:05	120760
Acetonitrile	NELAP	50.0		ND	µg/L	1	07/18/2016 19:05	120760
Acrolein	NELAP	100		ND	µg/L	1	07/18/2016 19:05	120760
Acrylonitrile	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
Allyl chloride	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
Benzene	NELAP	2.0		ND	µg/L	1	07/18/2016 19:05	120760
Bromobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
Bromochloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
Bromoform	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
Bromomethane	NELAP	10.0		ND	µg/L	1	07/18/2016 19:05	120760
Carbon disulfide	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
Chlorobenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
Chloroethane	NELAP	10.0		ND	µg/L	1	07/18/2016 19:05	120760

## Laboratory Results

<http://www.teklabinc.com/>

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-013

**Client Sample ID:** DUP

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
Chloroform	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
Chloromethane	NELAP	10.0		ND	µg/L	1	07/18/2016 19:05	120760
Chloroprene	NELAP	20.0		ND	µg/L	1	07/18/2016 19:05	120760
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
Cyclohexanone		50.0		ND	µg/L	1	07/18/2016 19:05	120760
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
Dibromomethane	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	07/18/2016 19:05	120760
Ethyl acetate	NELAP	10.0		ND	µg/L	1	07/18/2016 19:05	120760
Ethyl ether	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
Ethylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
Hexachloroethane	NELAP	10.0		ND	µg/L	1	07/18/2016 19:05	120760
Iodomethane	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	07/18/2016 19:05	120760
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	07/18/2016 19:05	120760
Methylacrylate	NELAP	10.0		ND	µg/L	1	07/18/2016 19:05	120760
Methylene chloride	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
Naphthalene	NELAP	10.0		ND	µg/L	1	07/18/2016 19:05	120760
n-Butyl acetate		25.0		ND	µg/L	1	07/18/2016 19:05	120760
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
n-Heptane		20.0		ND	µg/L	1	07/18/2016 19:05	120760
n-Hexane		20.0		ND	µg/L	1	07/18/2016 19:05	120760
Nitrobenzene	NELAP	50.0		ND	µg/L	1	07/18/2016 19:05	120760
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
o-Xylene	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
Pentachloroethane	NELAP	20.0		ND	µg/L	1	07/18/2016 19:05	120760
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
Propionitrile	NELAP	50.0		ND	µg/L	1	07/18/2016 19:05	120760
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
Styrene	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	07/18/2016 19:05	120760
Toluene	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	07/18/2016 19:05	120760
Trichloroethene	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	07/18/2016 19:05	120760
Vinyl acetate	NELAP	10.0		ND	µg/L	1	07/18/2016 19:05	120760

**Client:** Civil & Environmental Consultants  
**Client Project:** Huster Road Substation 120-678

**Work Order:** 16070962  
**Report Date:** 20-Jul-16

**Lab ID:** 16070962-013

**Client Sample ID:** DUP

**Matrix:** GROUNDWATER

**Collection Date:** 07/15/2016 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	07/18/2016 19:05	120760
Surr: 1,2-Dichloroethane-d4		74.7-129		112.0	%REC	1	07/18/2016 19:05	120760
Surr: 4-Bromofluorobenzene		86-119		106.1	%REC	1	07/18/2016 19:05	120760
Surr: Dibromofluoromethane		81.7-123		100.1	%REC	1	07/18/2016 19:05	120760
Surr: Toluene-d8		84.3-114		106.6	%REC	1	07/18/2016 19:05	120760

*LCS/LCSD recovered outside upper QC limits for Acrolein. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).*

## Sample Summary

<http://www.teklabinc.com/>

**Client:** Civil & Environmental Consultants

**Work Order:** 16070962

**Client Project:** Huster Road Substation 120-678

**Report Date:** 20-Jul-16

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
16070962-001	PZ-6	Groundwater	1	07/15/2016 8:36
16070962-002	PZ-7	Groundwater	1	07/15/2016 9:02
16070962-003	PZ-5	Groundwater	1	07/15/2016 9:27
16070962-004	PZ-8	Groundwater	1	07/15/2016 9:52
16070962-005	PZ-10	Groundwater	1	07/15/2016 10:11
16070962-006	PZ-4	Groundwater	1	07/15/2016 10:29
16070962-007	PZ-9	Groundwater	1	07/15/2016 10:46
16070962-008	PZ-12	Groundwater	1	07/15/2016 11:52
16070962-009	PZ-11	Groundwater	1	07/15/2016 12:17
16070962-010	PZ-3	Groundwater	1	07/15/2016 12:32
16070962-011	PZ-2 (Central)	Groundwater	1	07/15/2016 12:49
16070962-012	PZ-1 (West)	Groundwater	1	07/15/2016 13:05
16070962-013	DUP	Groundwater	1	07/15/2016 0:00

**Client:** Civil & Environmental Consultants

**Work Order:** 16070962

**Client Project:** Huster Road Substation 120-678

**Report Date:** 20-Jul-16

Sample ID	Client Sample ID	Collection Date	Received Date		
			Test Name	Prep Date/Time	Analysis Date/Time
16070962-001A	PZ-6	07/15/2016 8:36	07/15/2016 14:40		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			07/18/2016 13:41
16070962-002A	PZ-7	07/15/2016 9:02	07/15/2016 14:40		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			07/18/2016 14:08
16070962-003A	PZ-5	07/15/2016 9:27	07/15/2016 14:40		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			07/18/2016 14:35
16070962-004A	PZ-8	07/15/2016 9:52	07/15/2016 14:40		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			07/18/2016 15:02
16070962-005A	PZ-10	07/15/2016 10:11	07/15/2016 14:40		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			07/18/2016 15:29
16070962-006A	PZ-4	07/15/2016 10:29	07/15/2016 14:40		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			07/18/2016 15:56
16070962-007A	PZ-9	07/15/2016 10:46	07/15/2016 14:40		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			07/18/2016 16:24
16070962-008A	PZ-12	07/15/2016 11:52	07/15/2016 14:40		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			07/18/2016 16:51
16070962-009A	PZ-11	07/15/2016 12:17	07/15/2016 14:40		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			07/18/2016 17:17
16070962-010A	PZ-3	07/15/2016 12:32	07/15/2016 14:40		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			07/18/2016 17:44
16070962-011A	PZ-2 (Central)	07/15/2016 12:49	07/15/2016 14:40		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			07/18/2016 18:11
16070962-012A	PZ-1 (West)	07/15/2016 13:05	07/15/2016 14:40		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			07/18/2016 18:38
16070962-013A	DUP	07/15/2016 0:00	07/15/2016 14:40		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			07/18/2016 19:05

**Client:** Civil & Environmental Consultants

**Work Order:** 16070962

**Client Project:** Huster Road Substation 120-678

**Report Date:** 20-Jul-16

**SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS**

Batch	120760	SampType	MBLK	Units	µg/L						Date Analyzed
SampleID:	Mblk-N160718A-1										
Analyses		RL	Qual		Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit
1,1,1,2-Tetrachloroethane		5.0			ND						07/18/2016
1,1,1-Trichloroethane		5.0			ND						07/18/2016
1,1,2,2-Tetrachloroethane		5.0			ND						07/18/2016
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0			ND						07/18/2016
1,1,2-Trichloroethane		5.0			ND						07/18/2016
1,1-Dichloro-2-propanone		50.0			ND						07/18/2016
1,1-Dichloroethane		5.0			ND						07/18/2016
1,1-Dichloroethene		5.0			ND						07/18/2016
1,1-Dichloropropene		5.0			ND						07/18/2016
1,2,3-Trichlorobenzene		5.0			ND						07/18/2016
1,2,3-Trichloropropane		5.0			ND						07/18/2016
1,2,3-Trimethylbenzene		5.0			ND						07/18/2016
1,2,4-Trichlorobenzene		5.0			ND						07/18/2016
1,2,4-Trimethylbenzene		5.0			ND						07/18/2016
1,2-Dibromo-3-chloropropane		5.0			ND						07/18/2016
1,2-Dibromoethane		5.0			ND						07/18/2016
1,2-Dichlorobenzene		5.0			ND						07/18/2016
1,2-Dichloroethane		5.0			ND						07/18/2016
1,2-Dichloropropane		5.0			ND						07/18/2016
1,3,5-Trimethylbenzene		5.0			ND						07/18/2016
1,3-Dichlorobenzene		5.0			ND						07/18/2016
1,3-Dichloropropane		5.0			ND						07/18/2016
1,4-Dichlorobenzene		5.0			ND						07/18/2016
1-Chlorobutane		5.0			ND						07/18/2016
2,2-Dichloropropane		5.0			ND						07/18/2016
2-Butanone		25.0			ND						07/18/2016
2-Chloroethyl vinyl ether		20.0			ND						07/18/2016
2-Chlorotoluene		5.0			ND						07/18/2016
2-Hexanone		25.0			ND						07/18/2016
2-Nitropropane		50.0			ND						07/18/2016
4-Chlorotoluene		5.0			ND						07/18/2016
4-Methyl-2-pentanone		25.0			ND						07/18/2016
Acetone		25.0			ND						07/18/2016
Acetonitrile		50.0			ND						07/18/2016
Acrolein		100			ND						07/18/2016
Acrylonitrile		5.0			ND						07/18/2016
Allyl chloride		5.0			ND						07/18/2016
Benzene		2.0			ND						07/18/2016
Bromobenzene		5.0			ND						07/18/2016
Bromochloromethane		5.0			ND						07/18/2016
Bromodichloromethane		5.0			ND						07/18/2016
Bromoform		5.0			ND						07/18/2016
Bromomethane		10.0			ND						07/18/2016
Carbon disulfide		5.0			ND						07/18/2016
Carbon tetrachloride		5.0			ND						07/18/2016
Chlorobenzene		5.0			ND						07/18/2016
Chloroethane		10.0			ND						07/18/2016

**Client:** Civil & Environmental Consultants

**Work Order:** 16070962

**Client Project:** Huster Road Substation 120-678

**Report Date:** 20-Jul-16

## SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	120760	SampType	MBLK	Units	µg/L						Date Analyzed
SamplID:			MBLK-N160718A-1								
Analyses		RL	Qual		Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit
Chloroform		5.0			ND						07/18/2016
Chloromethane		10.0			ND						07/18/2016
Chloroprene		20.0			ND						07/18/2016
cis-1,2-Dichloroethene		5.0			ND						07/18/2016
cis-1,3-Dichloropropene		5.0			ND						07/18/2016
cis-1,4-Dichloro-2-butene		5.0			ND						07/18/2016
Cyclohexanone		50.0			ND						07/18/2016
Dibromochloromethane		5.0			ND						07/18/2016
Dibromomethane		5.0			ND						07/18/2016
Dichlorodifluoromethane		10.0			ND						07/18/2016
Ethyl acetate		10.0			ND						07/18/2016
Ethyl ether		5.0			ND						07/18/2016
Ethyl methacrylate		5.0			ND						07/18/2016
Ethylbenzene		5.0			ND						07/18/2016
Hexachlorobutadiene		5.0			ND						07/18/2016
Hexachloroethane		10.0			ND						07/18/2016
Iodomethane		5.0			ND						07/18/2016
Isopropylbenzene		5.0			ND						07/18/2016
m,p-Xylenes		5.0			ND						07/18/2016
Methacrylonitrile		10.0			ND						07/18/2016
Methyl Methacrylate		5.0			ND						07/18/2016
Methyl tert-butyl ether		2.0			ND						07/18/2016
Methylacrylate		10.0			ND						07/18/2016
Methylene chloride		5.0			ND						07/18/2016
Naphthalene		10.0			ND						07/18/2016
n-Butyl acetate		25.0			ND						07/18/2016
n-Butylbenzene		5.0			ND						07/18/2016
n-Heptane		20.0			ND						07/18/2016
n-Hexane		20.0			ND						07/18/2016
Nitrobenzene		50.0			ND						07/18/2016
n-Propylbenzene		5.0			ND						07/18/2016
o-Xylene		5.0			ND						07/18/2016
Pentachloroethane		20.0			ND						07/18/2016
p-Isopropyltoluene		5.0			ND						07/18/2016
Propionitrile		50.0			ND						07/18/2016
sec-Butylbenzene		5.0			ND						07/18/2016
Styrene		5.0			ND						07/18/2016
tert-Butylbenzene		5.0			ND						07/18/2016
Tetrachloroethene		5.0			ND						07/18/2016
Tetrahydrofuran		20.0			ND						07/18/2016
Toluene		5.0			ND						07/18/2016
trans-1,2-Dichloroethene		5.0			ND						07/18/2016
trans-1,3-Dichloropropene		5.0			ND						07/18/2016
trans-1,4-Dichloro-2-butene		10.0			ND						07/18/2016
Trichloroethene		5.0			ND						07/18/2016
Trichlorofluoromethane		5.0			ND						07/18/2016
Vinyl acetate		10.0			ND						07/18/2016

**Client:** Civil & Environmental Consultants

**Work Order:** 16070962

**Client Project:** Huster Road Substation 120-678

**Report Date:** 20-Jul-16

### SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 120760 SampType: MBLK Units µg/L

SampID: MBLK-N160718A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Vinyl chloride	2.0		ND						07/18/2016
Surr: 1,2-Dichloroethane-d4			56.8	50.00		113.6	74.7	129	07/18/2016
Surr: 4-Bromofluorobenzene			52.0	50.00		103.9	86	119	07/18/2016
Surr: Dibromofluoromethane			50.5	50.00		101.0	81.7	123	07/18/2016
Surr: Toluene-d8			52.0	50.00		104.0	84.3	114	07/18/2016

**Client:** Civil & Environmental Consultants

**Work Order:** 16070962

**Client Project:** Huster Road Substation 120-678

**Report Date:** 20-Jul-16

**SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS**

Batch	120760	SampType:	LCSD	Units	µg/L	RPD Limit 40					
								RPD Ref Val	%RPD	Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK	Ref Val	%REC			
1,1,1,2-Tetrachloroethane		5.0		<b>52.1</b>	50.00	0	104.1	51.46	1.18	07/18/2016	
1,1,1-Trichloroethane		5.0		<b>49.8</b>	50.00	0	99.7	48.41	2.89	07/18/2016	
1,1,2,2-Tetrachloroethane		5.0		<b>48.2</b>	50.00	0	96.4	47.89	0.69	07/18/2016	
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		<b>48.3</b>	50.00	0	96.6	46.60	3.56	07/18/2016	
1,1,2-Trichloroethane		5.0		<b>46.6</b>	50.00	0	93.2	46.29	0.69	07/18/2016	
1,1-Dichloro-2-propanone		50.0		<b>118</b>	125.0	0	94.5	113.7	3.83	07/18/2016	
1,1-Dichloroethane		5.0		<b>45.6</b>	50.00	0	91.1	44.32	2.74	07/18/2016	
1,1-Dichloroethene		5.0		<b>48.3</b>	50.00	0	96.6	46.62	3.50	07/18/2016	
1,1-Dichloropropene		5.0		<b>47.6</b>	50.00	0	95.2	46.15	3.09	07/18/2016	
1,2,3-Trichlorobenzene		5.0		<b>49.0</b>	50.00	0	98.0	47.83	2.40	07/18/2016	
1,2,3-Trichloropropane		5.0		<b>47.2</b>	50.00	0	94.4	46.72	1.02	07/18/2016	
1,2,3-Trimethylbenzene		5.0		<b>54.2</b>	50.00	0	108.4	52.59	3.03	07/18/2016	
1,2,4-Trichlorobenzene		5.0		<b>51.3</b>	50.00	0	102.5	50.03	2.45	07/18/2016	
1,2,4-Trimethylbenzene		5.0		<b>53.4</b>	50.00	0	106.8	51.82	2.98	07/18/2016	
1,2-Dibromo-3-chloropropane		5.0		<b>48.2</b>	50.00	0	96.3	46.94	2.57	07/18/2016	
1,2-Dibromoethane		5.0		<b>48.4</b>	50.00	0	96.9	47.74	1.43	07/18/2016	
1,2-Dichlorobenzene		5.0		<b>51.2</b>	50.00	0	102.4	50.18	2.05	07/18/2016	
1,2-Dichloroethane		5.0		<b>48.7</b>	50.00	0	97.4	48.00	1.45	07/18/2016	
1,2-Dichloropropane		5.0		<b>46.1</b>	50.00	0	92.3	45.14	2.17	07/18/2016	
1,3,5-Trimethylbenzene		5.0		<b>54.0</b>	50.00	0	107.9	52.74	2.27	07/18/2016	
1,3-Dichlorobenzene		5.0		<b>51.9</b>	50.00	0	103.8	50.87	1.99	07/18/2016	
1,3-Dichloropropane		5.0		<b>47.9</b>	50.00	0	95.8	47.69	0.48	07/18/2016	
1,4-Dichlorobenzene		5.0		<b>52.3</b>	50.00	0	104.6	51.01	2.50	07/18/2016	
1-Chlorobutane		5.0		<b>48.9</b>	50.00	0	97.7	47.83	2.13	07/18/2016	
2,2-Dichloropropane		5.0		<b>51.8</b>	50.00	0	103.7	50.96	1.71	07/18/2016	
2-Butanone		25.0		<b>116</b>	125.0	0	93.1	113.8	2.23	07/18/2016	
2-Chloroethyl vinyl ether		20.0		<b>44.1</b>	50.00	0	88.2	43.22	1.97	07/18/2016	
2-Chlorotoluene		5.0		<b>52.4</b>	50.00	0	104.8	51.10	2.51	07/18/2016	
2-Hexanone		25.0		<b>126</b>	125.0	0	101.0	124.7	1.20	07/18/2016	
2-Nitropropane		50.0		<b>574</b>	500.0	0	114.7	561.8	2.08	07/18/2016	
4-Chlorotoluene		5.0		<b>53.9</b>	50.00	0	107.7	52.54	2.48	07/18/2016	
4-Methyl-2-pentanone		25.0		<b>118</b>	125.0	0	94.3	116.3	1.27	07/18/2016	
Acetone		25.0		<b>100</b>	125.0	0	80.0	101.5	1.52	07/18/2016	
Acetonitrile		50.0		<b>438</b>	500.0	0	87.6	435.8	0.53	07/18/2016	
Acrolein	100	SE		<b>6470</b>	500.0	0	1294	6282	2.96	07/18/2016	
Acrylonitrile	5.0			<b>40.9</b>	50.00	0	81.9	40.39	1.35	07/18/2016	
Allyl chloride	5.0			<b>53.8</b>	50.00	0	107.7	52.36	2.79	07/18/2016	
Benzene	2.0			<b>44.5</b>	50.00	0	89.0	43.37	2.62	07/18/2016	
Bromobenzene	5.0			<b>51.0</b>	50.00	0	101.9	50.26	1.40	07/18/2016	
Bromochloromethane	5.0			<b>48.6</b>	50.00	0	97.1	48.01	1.12	07/18/2016	
Bromodichloromethane	5.0			<b>50.3</b>	50.00	0	100.5	49.60	1.34	07/18/2016	
Bromoform	5.0			<b>52.1</b>	50.00	0	104.2	51.38	1.43	07/18/2016	
Bromomethane	10.0			<b>56.0</b>	50.00	0	112.0	52.97	5.54	07/18/2016	
Carbon disulfide	5.0			<b>44.2</b>	50.00	0	88.4	42.83	3.15	07/18/2016	
Carbon tetrachloride	5.0			<b>50.5</b>	50.00	0	101.0	49.14	2.77	07/18/2016	
Chlorobenzene	5.0			<b>49.9</b>	50.00	0	99.9	49.11	1.68	07/18/2016	
Chloroethane	10.0			<b>60.1</b>	50.00	0	120.2	56.64	5.93	07/18/2016	

**Client:** Civil & Environmental Consultants

**Work Order:** 16070962

**Client Project:** Huster Road Substation 120-678

**Report Date:** 20-Jul-16

## SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	120760	SampType	LCSD	Units	µg/L	RPD Limit 40						
										Date Analyzed		
Analyses		RL	Qual	Result	Spike	SPK	Ref Val	%REC	RPD	Ref Val	%RPD	
Chloroform		5.0		<b>47.4</b>	50.00	0	94.7		46.11		2.67	07/18/2016
Chloromethane		10.0		<b>49.2</b>	50.00	0	98.5		47.06		4.53	07/18/2016
Chloroprene		20.0		<b>54.0</b>	50.00	0	108.1		52.27		3.35	07/18/2016
cis-1,2-Dichloroethene		5.0		<b>49.0</b>	50.00	0	97.9		47.95		2.06	07/18/2016
cis-1,3-Dichloropropene		5.0		<b>48.3</b>	50.00	0	96.6		47.77		1.12	07/18/2016
cis-1,4-Dichloro-2-butene		5.0		<b>56.6</b>	50.00	0	113.2		55.36		2.25	07/18/2016
Cyclohexanone		50.0		<b>504</b>	500.0	0	100.8		507.2		0.69	07/18/2016
Dibromochloromethane		5.0		<b>52.3</b>	50.00	0	104.6		51.67		1.17	07/18/2016
Dibromomethane		5.0		<b>46.4</b>	50.00	0	92.9		45.76		1.48	07/18/2016
Dichlorodifluoromethane		10.0		<b>31.6</b>	50.00	0	63.2		30.43		3.84	07/18/2016
Ethyl acetate		10.0		<b>43.0</b>	50.00	0	86.0		42.35		1.57	07/18/2016
Ethyl ether		5.0		<b>43.4</b>	50.00	0	86.9		43.07		0.83	07/18/2016
Ethyl methacrylate		5.0		<b>50.6</b>	50.00	0	101.2		49.59		2.00	07/18/2016
Ethylbenzene		5.0		<b>53.2</b>	50.00	0	106.5		51.93		2.47	07/18/2016
Hexachlorobutadiene		5.0		<b>54.5</b>	50.00	0	109.0		52.41		3.91	07/18/2016
Hexachloroethane		10.0		<b>54.5</b>	50.00	0	109.0		52.80		3.19	07/18/2016
Iodomethane		5.0		<b>41.1</b>	50.00	0	82.2		39.25		4.56	07/18/2016
Isopropylbenzene		5.0		<b>54.4</b>	50.00	0	108.8		53.11		2.40	07/18/2016
m,p-Xylenes		5.0		<b>109</b>	100.0	0	108.6		106.2		2.19	07/18/2016
Methacrylonitrile		10.0		<b>47.6</b>	50.00	0	95.1		46.16		2.99	07/18/2016
Methyl Methacrylate		5.0		<b>48.5</b>	50.00	0	96.9		47.56		1.87	07/18/2016
Methyl tert-butyl ether		2.0		<b>47.4</b>	50.00	0	94.8		46.51		1.90	07/18/2016
Methylacrylate		10.0		<b>44.3</b>	50.00	0	88.7		43.77		1.27	07/18/2016
Methylene chloride		5.0		<b>45.4</b>	50.00	0	90.9		44.36		2.38	07/18/2016
Naphthalene		10.0		<b>43.0</b>	50.00	0	85.9		41.55		3.34	07/18/2016
n-Butyl acetate		25.0		<b>51.5</b>	50.00	0	103.0		50.61		1.78	07/18/2016
n-Butylbenzene		5.0		<b>56.9</b>	50.00	0	113.8		54.72		3.92	07/18/2016
n-Heptane		20.0		<b>52.7</b>	50.00	0	105.3		51.90		1.45	07/18/2016
n-Hexane		20.0		<b>49.3</b>	50.00	0	98.6		48.32		1.99	07/18/2016
Nitrobenzene		50.0		<b>479</b>	500.0	0	95.9		468.4		2.33	07/18/2016
n-Propylbenzene		5.0		<b>54.0</b>	50.00	0	108.1		53.46		1.06	07/18/2016
o-Xylene		5.0		<b>53.4</b>	50.00	0	106.7		52.71		1.21	07/18/2016
Pentachloroethane		20.0		<b>53.8</b>	50.00	0	107.6		52.55		2.39	07/18/2016
p-Isopropyltoluene		5.0		<b>56.3</b>	50.00	0	112.5		54.63		2.94	07/18/2016
Propionitrile		50.0		<b>426</b>	500.0	0	85.1		418.6		1.65	07/18/2016
sec-Butylbenzene		5.0		<b>55.2</b>	50.00	0	110.5		53.61		2.98	07/18/2016
Styrene		5.0		<b>50.4</b>	50.00	0	100.7		49.50		1.72	07/18/2016
tert-Butylbenzene		5.0		<b>55.4</b>	50.00	0	110.8		53.97		2.60	07/18/2016
Tetrachloroethene		5.0		<b>49.4</b>	50.00	0	98.9		48.36		2.19	07/18/2016
Tetrahydrofuran		20.0		<b>41.8</b>	50.00	0	83.5		40.90		2.06	07/18/2016
Toluene		5.0		<b>48.0</b>	50.00	0	96.0		47.09		1.93	07/18/2016
trans-1,2-Dichloroethene		5.0		<b>48.1</b>	50.00	0	96.2		46.50		3.34	07/18/2016
trans-1,3-Dichloropropene		5.0		<b>52.3</b>	50.00	0	104.6		51.81		0.96	07/18/2016
trans-1,4-Dichloro-2-butene		10.0		<b>54.9</b>	50.00	0	109.8		54.13		1.43	07/18/2016
Trichloroethene		5.0		<b>46.8</b>	50.00	0	93.7		45.53		2.86	07/18/2016
Trichlorofluoromethane		5.0		<b>45.5</b>	50.00	0	90.9		44.04		3.17	07/18/2016
Vinyl acetate		10.0		<b>50.4</b>	50.00	0	100.7		49.37		2.01	07/18/2016

**Client:** Civil & Environmental Consultants

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**Client Project:** Huster Road Substation 120-678

**Report Date:** 20-Jul-16

### SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	120760	SampType	LCSD	Units	µg/L	RPD Limit 40						
Analyses		RL	Qual	Result	Spike	SPK	Ref Val	%REC	RPD	Ref Val	%RPD	Date Analyzed
Vinyl chloride		2.0		<b>52.2</b>	50.00	0	104.5		49.91		4.58	07/18/2016
Surr: 1,2-Dichloroethane-d4				<b>56.0</b>	50.00		112.1					07/18/2016
Surr: 4-Bromofluorobenzene				<b>51.0</b>	50.00		101.9					07/18/2016
Surr: Dibromofluoromethane				<b>50.8</b>	50.00		101.7					07/18/2016
Surr: Toluene-d8				<b>51.9</b>	50.00		103.8					07/18/2016

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**Report Date:** 20-Jul-16

**SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS**

Batch	120760	SampType	LCS	Units	µg/L							Date Analyzed
Analyses		RL	Qual		Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	
1,1,1,2-Tetrachloroethane		5.0			<b>51.5</b>	50.00	0	102.9		81.9	115	07/18/2016
1,1,1-Trichloroethane		5.0			<b>48.4</b>	50.00	0	96.8		79.4	124	07/18/2016
1,1,2,2-Tetrachloroethane		5.0			<b>47.9</b>	50.00	0	95.8		74.7	116	07/18/2016
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0			<b>46.6</b>	50.00	0	93.2		72.9	121	07/18/2016
1,1,2-Trichloroethane		5.0			<b>46.3</b>	50.00	0	92.6		80.8	111	07/18/2016
1,1-Dichloro-2-propanone		50.0			<b>114</b>	125.0	0	91.0		66.3	130	07/18/2016
1,1-Dichloroethane		5.0			<b>44.3</b>	50.00	0	88.6		79.4	114	07/18/2016
1,1-Dichloroethene		5.0			<b>46.6</b>	50.00	0	93.2		74.1	117	07/18/2016
1,1-Dichloropropene		5.0			<b>46.2</b>	50.00	0	92.3		81.7	116	07/18/2016
1,2,3-Trichlorobenzene		5.0			<b>47.8</b>	50.00	0	95.7		79.7	118	07/18/2016
1,2,3-Trichloropropane		5.0			<b>46.7</b>	50.00	0	93.4		77.3	112	07/18/2016
1,2,3-Trimethylbenzene		5.0			<b>52.6</b>	50.00	0	105.2		79.9	119	07/18/2016
1,2,4-Trichlorobenzene		5.0			<b>50.0</b>	50.00	0	100.1		79.3	118	07/18/2016
1,2,4-Trimethylbenzene		5.0			<b>51.8</b>	50.00	0	103.6		78.7	115	07/18/2016
1,2-Dibromo-3-chloropropane		5.0			<b>46.9</b>	50.00	0	93.9		76	122	07/18/2016
1,2-Dibromoethane		5.0			<b>47.7</b>	50.00	0	95.5		80.8	114	07/18/2016
1,2-Dichlorobenzene		5.0			<b>50.2</b>	50.00	0	100.4		78.3	112	07/18/2016
1,2-Dichloroethane		5.0			<b>48.0</b>	50.00	0	96.0		70.6	118	07/18/2016
1,2-Dichloropropane		5.0			<b>45.1</b>	50.00	0	90.3		79.6	113	07/18/2016
1,3,5-Trimethylbenzene		5.0			<b>52.7</b>	50.00	0	105.5		77.5	115	07/18/2016
1,3-Dichlorobenzene		5.0			<b>50.9</b>	50.00	0	101.7		78.6	117	07/18/2016
1,3-Dichloropropane		5.0			<b>47.7</b>	50.00	0	95.4		78.8	112	07/18/2016
1,4-Dichlorobenzene		5.0			<b>51.0</b>	50.00	0	102.0		77.8	114	07/18/2016
1-Chlorobutane		5.0			<b>47.8</b>	50.00	0	95.7		78.6	115	07/18/2016
2,2-Dichloropropane		5.0			<b>51.0</b>	50.00	0	101.9		74.9	130	07/18/2016
2-Butanone		25.0			<b>114</b>	125.0	0	91.0		70.7	136	07/18/2016
2-Chloroethyl vinyl ether		20.0			<b>43.2</b>	50.00	0	86.4		52.5	145	07/18/2016
2-Chlorotoluene		5.0			<b>51.1</b>	50.00	0	102.2		77.4	114	07/18/2016
2-Hexanone		25.0			<b>125</b>	125.0	0	99.8		73.3	125	07/18/2016
2-Nitropropane		50.0			<b>562</b>	500.0	0	112.4		67.3	139	07/18/2016
4-Chlorotoluene		5.0			<b>52.5</b>	50.00	0	105.1		78.3	115	07/18/2016
4-Methyl-2-pentanone		25.0			<b>116</b>	125.0	0	93.1		76.3	122	07/18/2016
Acetone		25.0			<b>102</b>	125.0	0	81.2		56.4	147	07/18/2016
Acetonitrile		50.0			<b>436</b>	500.0	0	87.2		59.3	129	07/18/2016
Acrolein		100	SE		<b>6280</b>	500.0	0	1256		1	201	07/18/2016
Acrylonitrile		5.0			<b>40.4</b>	50.00	0	80.8		74.1	128	07/18/2016
Allyl chloride		5.0			<b>52.4</b>	50.00	0	104.7		71.5	123	07/18/2016
Benzene		2.0			<b>43.4</b>	50.00	0	86.7		80	114	07/18/2016
Bromobenzene		5.0			<b>50.3</b>	50.00	0	100.5		73.2	118	07/18/2016
Bromochloromethane		5.0			<b>48.0</b>	50.00	0	96.0		73.3	121	07/18/2016
Bromodichloromethane		5.0			<b>49.6</b>	50.00	0	99.2		81.6	121	07/18/2016
Bromoform		5.0			<b>51.4</b>	50.00	0	102.8		83.1	127	07/18/2016
Bromomethane		10.0			<b>53.0</b>	50.00	0	105.9		44.4	154	07/18/2016
Carbon disulfide		5.0			<b>42.8</b>	50.00	0	85.7		73.2	118	07/18/2016
Carbon tetrachloride		5.0			<b>49.1</b>	50.00	0	98.3		79.4	130	07/18/2016
Chlorobenzene		5.0			<b>49.1</b>	50.00	0	98.2		81.4	110	07/18/2016
Chloroethane		10.0			<b>56.6</b>	50.00	0	113.3		52.1	137	07/18/2016

**Client:** Civil & Environmental Consultants

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**Client Project:** Huster Road Substation 120-678

**Report Date:** 20-Jul-16

### SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 120760	SampType: LCS	Units µg/L	Analyses	RL	Qual	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	Date Analyzed
			SampID: LCS-N160718A-1										
Chloroform		5.0		46.1	50.00	0	92.2			82.7	116		07/18/2016
Chloromethane		10.0		47.1	50.00	0	94.1			48.2	144		07/18/2016
Chloroprene		20.0		52.3	50.00	0	104.5			80.6	126		07/18/2016
cis-1,2-Dichloroethene		5.0		48.0	50.00	0	95.9			78.2	116		07/18/2016
cis-1,3-Dichloropropene		5.0		47.8	50.00	0	95.5			83	119		07/18/2016
cis-1,4-Dichloro-2-butene		5.0		55.4	50.00	0	110.7			60.7	137		07/18/2016
Cyclohexanone		50.0		507	500.0	0	101.5			54.2	145		07/18/2016
Dibromochloromethane		5.0		51.7	50.00	0	103.3			81.2	121		07/18/2016
Dibromomethane		5.0		45.8	50.00	0	91.5			78.3	118		07/18/2016
Dichlorodifluoromethane		10.0		30.4	50.00	0	60.9			20.6	154		07/18/2016
Ethyl acetate		10.0		42.4	50.00	0	84.7			73.1	116		07/18/2016
Ethyl ether		5.0		43.1	50.00	0	86.1			75.2	109		07/18/2016
Ethyl methacrylate		5.0		49.6	50.00	0	99.2			80.1	113		07/18/2016
Ethylbenzene		5.0		51.9	50.00	0	103.9			77.2	113		07/18/2016
Hexachlorobutadiene		5.0		52.4	50.00	0	104.8			77.3	123		07/18/2016
Hexachloroethane		10.0		52.8	50.00	0	105.6			74.6	117		07/18/2016
Iodomethane		5.0		39.2	50.00	0	78.5			61.3	140		07/18/2016
Isopropylbenzene		5.0		53.1	50.00	0	106.2			81.3	114		07/18/2016
m,p-Xylenes		5.0		106	100.0	0	106.2			79.6	113		07/18/2016
Methacrylonitrile		10.0		46.2	50.00	0	92.3			77.2	125		07/18/2016
Methyl Methacrylate		5.0		47.6	50.00	0	95.1			74.2	121		07/18/2016
Methyl tert-butyl ether		2.0		46.5	50.00	0	93.0			76.8	117		07/18/2016
Methylacrylate		10.0		43.8	50.00	0	87.5			78	124		07/18/2016
Methylene chloride		5.0		44.4	50.00	0	88.7			74.1	114		07/18/2016
Naphthalene		10.0		41.6	50.00	0	83.1			77.9	122		07/18/2016
n-Butyl acetate		25.0		50.6	50.00	0	101.2			74	120		07/18/2016
n-Butylbenzene		5.0		54.7	50.00	0	109.4			71.1	120		07/18/2016
n-Heptane		20.0		51.9	50.00	0	103.8			67.4	129		07/18/2016
n-Hexane		20.0		48.3	50.00	0	96.6			68.4	126		07/18/2016
Nitrobenzene		50.0		468	500.0	0	93.7			37.9	181		07/18/2016
n-Propylbenzene		5.0		53.5	50.00	0	106.9			74.6	118		07/18/2016
o-Xylene		5.0		52.7	50.00	0	105.4			80.1	111		07/18/2016
Pentachloroethane		20.0		52.6	50.00	0	105.1			78.8	117		07/18/2016
p-Isopropyltoluene		5.0		54.6	50.00	0	109.3			77.6	118		07/18/2016
Propionitrile		50.0		419	500.0	0	83.7			72.9	137		07/18/2016
sec-Butylbenzene		5.0		53.6	50.00	0	107.2			74.5	119		07/18/2016
Styrene		5.0		49.5	50.00	0	99.0			83.4	113		07/18/2016
tert-Butylbenzene		5.0		54.0	50.00	0	107.9			75.9	114		07/18/2016
Tetrachloroethene		5.0		48.4	50.00	0	96.7			72.5	125		07/18/2016
Tetrahydrofuran		20.0		40.9	50.00	0	81.8			69.6	125		07/18/2016
Toluene		5.0		47.1	50.00	0	94.2			77.5	113		07/18/2016
trans-1,2-Dichloroethene		5.0		46.5	50.00	0	93.0			79	114		07/18/2016
trans-1,3-Dichloropropene		5.0		51.8	50.00	0	103.6			78	115		07/18/2016
trans-1,4-Dichloro-2-butene		10.0		54.1	50.00	0	108.3			63.3	128		07/18/2016
Trichloroethene		5.0		45.5	50.00	0	91.1			84.4	114		07/18/2016
Trichlorofluoromethane		5.0		44.0	50.00	0	88.1			75.2	132		07/18/2016
Vinyl acetate		10.0		49.4	50.00	0	98.7			64.5	127		07/18/2016

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**Client Project:** Huster Road Substation 120-678

**Report Date:** 20-Jul-16

**SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS**
**Batch 120760 SampType: LCS**      Units **µg/L**

SampID: LCS-N160718A-1

Analyses	RL	Qual	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Vinyl chloride	2.0		<b>49.9</b>	50.00	0	99.8		58	134	07/18/2016
Surr: 1,2-Dichloroethane-d4			<b>55.5</b>	50.00		111.1		74.7	129	07/18/2016
Surr: 4-Bromofluorobenzene			<b>51.1</b>	50.00		102.3		86	119	07/18/2016
Surr: Dibromofluoromethane			<b>50.5</b>	50.00		101.0		81.7	123	07/18/2016
Surr: Toluene-d8			<b>52.3</b>	50.00		104.7		84.1	114	07/18/2016

**Batch 120760 SampType: LCSGD**      Units **%REC**

SampID: LCSGD-N160718A-1

Analyses	RL	Qual	Result	Spike	SPK	Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Surr: 1,2-Dichloroethane-d4			<b>55.0</b>	50.00		110.0				07/18/2016
Surr: 4-Bromofluorobenzene			<b>51.8</b>	50.00		103.7				07/18/2016
Surr: Dibromofluoromethane			<b>49.4</b>	50.00		98.8				07/18/2016
Surr: Toluene-d8			<b>52.2</b>	50.00		104.5				07/18/2016

**Batch 120760 SampType: LCGS**      Units **%REC**

SampID: LCGS-N160718A-1

Analyses	RL	Qual	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: 1,2-Dichloroethane-d4			<b>54.9</b>	50.00		109.7		74.7	129	07/18/2016
Surr: 4-Bromofluorobenzene			<b>51.6</b>	50.00		103.1		86	119	07/18/2016
Surr: Dibromofluoromethane			<b>48.6</b>	50.00		97.3		81.7	123	07/18/2016
Surr: Toluene-d8			<b>52.0</b>	50.00		103.9		84.3	114	07/18/2016

**Batch 120760 SampType: MS**      Units **µg/L**

SampID: 16070962-003AMS

Analyses	RL	Qual	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1-Dichloroethene	5.0		<b>48.4</b>	50.00	0	96.7		35.7	136	07/18/2016
Benzene	2.0		<b>46.2</b>	50.00	0	92.4		62.5	121	07/18/2016
Chlorobenzene	5.0		<b>49.9</b>	50.00	0	99.8		78.6	114	07/18/2016
Ethylbenzene	5.0		<b>54.1</b>	50.00	0	108.2		74.4	130	07/18/2016
m,p-Xylenes	5.0		<b>53.3</b>	50.00	0	106.7		70.5	126	07/18/2016
o-Xylene	5.0		<b>52.6</b>	50.00	0	105.2		71.2	124	07/18/2016
Toluene	5.0		<b>48.8</b>	50.00	0	97.7		69.5	118	07/18/2016
Trichloroethene	5.0		<b>47.9</b>	50.00	0	95.7		69.4	117	07/18/2016
Surr: 1,2-Dichloroethane-d4			<b>56.9</b>	50.00		113.8		74.7	129	07/18/2016
Surr: 4-Bromofluorobenzene			<b>53.2</b>	50.00		106.4		86	119	07/18/2016
Surr: Dibromofluoromethane			<b>49.3</b>	50.00		98.6		81.7	123	07/18/2016
Surr: Toluene-d8			<b>52.8</b>	50.00		105.7		84.3	114	07/18/2016

**Client:** Civil & Environmental Consultants

**Work Order:** 16070962

**Client Project:** Huster Road Substation 120-678

**Report Date:** 20-Jul-16

### SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	120760	SampType	MSD	Units	µg/L	RPD Limit 20						Date Analyzed	
SampID: 16070962-003AMSD													
Analyses		RL	Qual			Result	Spike	SPK	Ref Val	%REC	RPD	Ref Val	%RPD
1,1-Dichloroethene		5.0				<b>47.4</b>	50.00	0	94.9		48.36	1.92	07/18/2016
Benzene		2.0				<b>45.5</b>	50.00	0	91.0		46.19	1.48	07/18/2016
Chlorobenzene		5.0				<b>49.6</b>	50.00	0	99.2		49.89	0.58	07/18/2016
Ethylbenzene		5.0				<b>53.6</b>	50.00	0	107.2		54.09	0.93	07/18/2016
m,p-Xylenes		5.0				<b>52.8</b>	50.00	0	105.6		53.33	1.02	07/18/2016
o-Xylene		5.0				<b>51.4</b>	50.00	0	102.8		52.59	2.29	07/18/2016
Toluene		5.0				<b>48.2</b>	50.00	0	96.4		48.83	1.34	07/18/2016
Trichloroethene		5.0				<b>47.6</b>	50.00	0	95.2		47.86	0.52	07/18/2016
Surr: 1,2-Dichloroethane-d4						<b>57.2</b>	50.00		114.4				07/18/2016
Surr: 4-Bromofluorobenzene						<b>54.0</b>	50.00		107.9				07/18/2016
Surr: Dibromofluoromethane						<b>49.1</b>	50.00		98.1				07/18/2016
Surr: Toluene-d8						<b>52.8</b>	50.00		105.6				07/18/2016

## Receiving Check List

<http://www.teklabinc.com/>
**Client:** Civil & Environmental Consultants

**Work Order:** 16070962

**Client Project:** Huster Road Substation 120-678

**Report Date:** 20-Jul-16

**Carrier:** Monte Peake

**Received By:** KF

**Completed by:**

**On:**

15-Jul-16

Elizabeth A. Hurley

**Reviewed by:**

**On:**

15-Jul-16

Michael L. Austin

**Pages to follow:** Chain of custody 2
**Extra pages included:** 0

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	Temp °C <b>16.22</b>
Type of thermal preservation?	None <input type="checkbox"/>	Ice <input type="checkbox"/>	Blue Ice <input checked="" type="checkbox"/>	Dry Ice <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>		
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Reported field parameters measured:	Field <input type="checkbox"/>	Lab <input type="checkbox"/>	NA <input checked="" type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
<i>When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.</i>				
Water – at least one vial per sample has zero headspace?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials <input type="checkbox"/>	
Water - TOX containers have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No TOX containers <input checked="" type="checkbox"/>	
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>	
NPDES/CWA TCN interferences checked/treated in the field?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>	

**Any No responses must be detailed below or on the COC.**

MS/MSD vials were provided with collection times matching PZ-5. The vials were not listed on the chain of custody. EAH 7/15/16

# CHAIN OF CUSTODY

pg. 1 of 2 Work order # 160709162

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client:	Civil & Environmental Consultants
Address:	4848 Park 370 Blvd.
City / State / Zip	Hazelwood, MO 63042
Contact:	Monte Peake
E-Mail:	mpeake@cecinc.com
Phone:	(314) 656-4566
Fax:	

Samples on:  ICE  BLUE ICE  NO ICE 16.22 °C

Preserved in:  LAB  FIELD **FOR LAB USE ONLY**

#### Lab Notes

MS | MSD received w/ PZ-5 collection time. 9am 7/15/16 - to headspace

#### Client Comments:

Are these samples known to be involved in litigation? If yes, a surcharge will apply  Yes  No

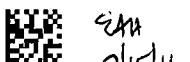
Are these samples known to be hazardous?  Yes  No

Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in the comment section.  Yes  No

Project Name/Number		Sample Collector's Name						MATRIX		INDICATE ANALYSIS REQUESTED																		
Huster Road Substation <u>120-678</u>		<u>M. PEAKE / NEIL KOSTELECKY</u>						Groundwater																				
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other <input type="checkbox"/> 3 Day (50% Surcharge)		<b>Billing Instructions</b>  <u>AMEREN</u>		# and Type of Containers						Special Waste																		
				UNPRES	HNO3	NaOH	H2SO4	HCl	MeOH	NaHSO4	OTHER	Sludge	Soil	Drinking Water	Aqueous	VOC 8260												
160709162-001	PZ-6	7/15/16 @ 0836					2					X	X															
002	PZ-7	1 0902					2					X	X															
003	PZ-5	0927					2					X	X															
004	PZ-8	0952					2					X	X															
005	PZ-10	1011					2					X	X															
006	PZ-4	1029					2					X	X															
007	PZ-9	1046					2					X	X															
008	PZ-12	1152					2					X	X															
009	PZ-11	1217					2					X	X															
010	PZ-3	1232					2					X	X															
Relinquished By				Date/Time				Received By				Date/Time																
<u>Monte Peake</u>				7/15/16 @ 1440				<u>Kleesche</u>				7/15/16 1440																

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client.

BottleOrder: 26200



160709162

# CHAIN OF CUSTODY

pg. 2 of 2 Work order # W070962

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

<b>Client:</b> Civil & Environmental Consultants		<b>Samples on:</b> <input type="checkbox"/> ICE <input type="checkbox"/> BLUE ICE <input type="checkbox"/> NO ICE _____ °C	
<b>Address:</b> 4848 Park 370 Blvd.		<b>Preserved in:</b> <input type="checkbox"/> LAB <input type="checkbox"/> FIELD <b>FOR LAB USE ONLY</b>	
<b>City / State / Zip</b> Hazelwood, MO 63042		<b>Lab Notes</b>	
<b>Contact:</b> Monte Peake		<b>Phone:</b> (314) 656-4566	
<b>E-Mail:</b> mpeake@cecinc.com		<b>Fax:</b> _____	
<p>Are these samples known to be involved in litigation? If yes, a surcharge will apply <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Are these samples known to be hazardous? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in the comment section. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>			
Project Name/Number Huster Road 120-678		Sample Collector's Name M. PEAKE / N. KOSTELECKY	
Results Requested <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other <input type="checkbox"/> 3 Day (50% Surcharge)		Billing Instructions	
# and Type of Containers		MATRIX	
Lab Use Only	Sample Identification	Date/Time Sampled	INDICATE ANALYSIS REQUESTED
W070962-011	PZ-2 (CENTRAL)	7/15/16 @ 1249	<input checked="" type="checkbox"/> VOC 8260 <input checked="" type="checkbox"/> Groundwater <input checked="" type="checkbox"/> Special Waste <input checked="" type="checkbox"/> Sludge <input checked="" type="checkbox"/> Soil <input checked="" type="checkbox"/> Aqueous <input checked="" type="checkbox"/> Drinking Water
012	PZ-1 (WEST)	↓ 1305	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
013	DUP	↓ —	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
Relinquished By		Date/Time	
<i>Monte Peake</i>		7/15/16 @ 1440	
Received By		Date/Time	
<i>K. Keech</i>		7/15/16 1440	

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client.

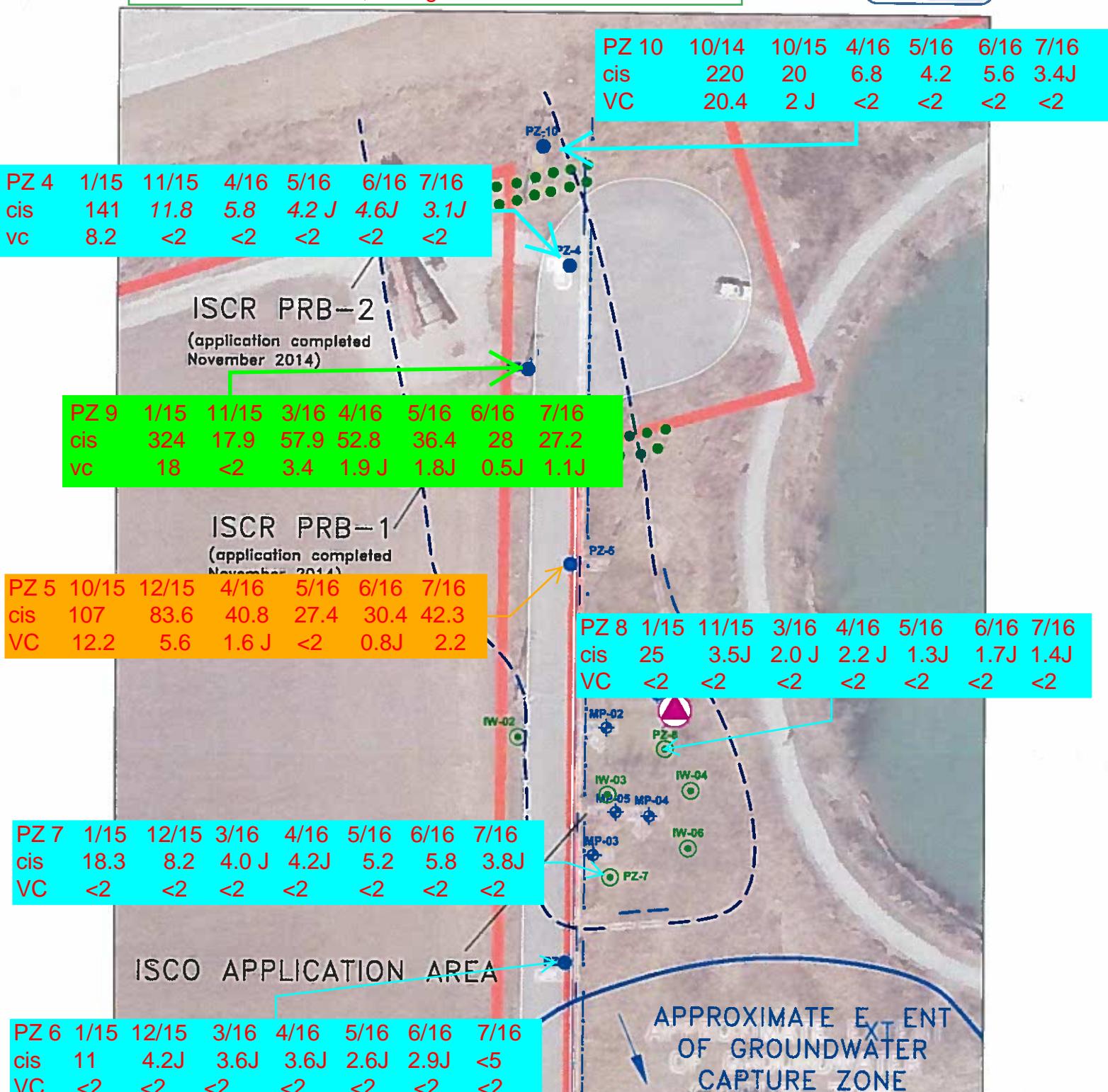
BottleOrder: 28445



After to Phase II injections - 4/15

Blue fill - means COCs below detection limits,  
Green fill - below MCL; Orange - one not below MCL

DRAFT



LEGEND	
=	APPROXIMATE EXTENT OF TREATMENT AREA
(●)	APPROXIMATE LOCATION OF CITY WELL
(●)	APPROXIMATE LOCATION OF 2013 AND 2014 2-INCH PIEZOMETERS
(◆)	PROPOSED 1-INCH MONITORING POINT LOCATION
(●)	ISCR INJECTION POINT
(●)	PROPOSED ISCO INJECTION POINT
(—)	LOCATION OF PROPERTY BOUNDARIES
(—)	APPROXIMATE LOCATION OF BELOW GRADE WATER LINE

**NOTES:**

1. THE UNDERLYING AERIAL SHOWING THE PROPERTY BOUNDARIES IS FROM THE ST. CHARLES COUNTY ON-LINE CIS MAPPING SERVICE.
2. ISCR = IN SITU CHEMICAL REDUCTION; ISCO = IN SITU CHEMICAL OXIDATION.
3. ALL WELL AND PIEZOMETER LOCATIONS ARE APPROXIMATE.
4. THE 2013 PIEZOMETER LOCATIONS ARE BASED ON A SITE MAP PREPARED BY GEOTECHNOLOGY, INC. (JULY 2013).
5. THE LOCATION OF THE ISCO AND ISCR INJECTION POINTS ARE APPROXIMATE AND WILL BE FINALIZED BASED ON FIELD CONDITIONS, EQUIPMENT ACCESSIBILITY, AND SITE ACCESS.
6. THE APPROXIMATE EXTENT OF THE GROUNDWATER CONTAINMENT ZONE IS BASED ON FLOW MODELING CONDUCTED BY OSI ENVIRONMENTAL, INC. (JULY 2013).

20' 0' 20' 40'  
SCALE AS SHOWN  
DATE: DECEMBER 2014  
PROJECT NO. 12056.01  
CLIENT: AMEREN  
DRAWN BY: EH  
CHECKED BY: DI  
PROFESSIONAL APPROVAL: DI

**XDD**  
STRATEGIC ENVIRONMENTAL SOLUTIONS.  
**SITE PLAN**  
Plume Containment Pilot Test Work Plan  
FIGURE 1 Rev. 3

